

DATA VALIDATION CHECKLIST (Level III and Level IV)				
ITEM	Yes	No	NA	Comment Number
Client Name: Pastor, Behling, & Wheeler				Project Number: 1352I (SW)
Property Location: Gulfco Superfund Site				Project Manager: Eric Pastor
Laboratory: GCAL – Baton Rouge, LA				Laboratory Job No.: 206062916
Reviewer: Taryn Scholz (QAA, L.L.C.)				Date Checked: 8/4/06
Chain of Custody (COC) and Sample Receipt at Lab				
1. Signed COCs included and seals used?	x			
2. Date and time of sample collection included?	x			
3. All samples listed on the COC analyzed for in accordance with the RI/FS Work Plan?	x			3.
4. Field QC sample frequency met project requirements?	x			
5. Sample receipt temperature 2-6°C?	x			
6. Samples preserved appropriately?	x			
7. Samples received within 2 days of collection?	x			
8. No problems noted?	x			
Laboratory Report and Data Package				
9. Signed Case Narrative included?	x			
10. No analytical discrepancies noted in case narrative?		x		10.
11. Elevated reporting limits justified?		x		25.
12. MDLs reasonable per DCS?	x			
13. Calibration data acceptable?		x		see attached
14. ICV and CCV recoveries within project control limits?		x		see attached
15. ICB and CCB results <RL (MQL)?	x			
16. Internal standard areas within project control limits?	x			
Laboratory EDD				
17. Field sample IDs included?	x			
18. Laboratory sample IDs included?	x			
19. Date of analysis included?	x			
20. Date of sample preparation included?	x			
21. Samples prepared within holding time?		x		see attached
22. Samples analyzed within holding time?	x			
23. Detection limit and quantitation limit included?	x			23.
24. Project target limits achieved?		x		24.
25. No elevated reporting limits?		x		25.
26. Method references included?	x			
27. Sample matrix included?	x			
28. Sample result units reported correctly?	x			
29. Soil/ sediment results corrected for dry-weight?			x	
30. Method blank results <RL (MDL)?		x		see attached
31. Equipment and Trip blank results <RL (MDL)?		x		see attached
32. All COIs included in LCS?	x			32.
33. LCS recovery within project control limits?		x		see attached
34. MS/MSD recoveries within project control limits?		x		see attached
35. LCS/LCSD RPDs within project control limits?		x		see attached
36. MS/MSD RPDs within project control limits?	x			
37. Laboratory duplicate RPDs/Diffs within project control limits?			x	
38. Field duplicate RPDs/Diffs within project control limits?	x			
39. Surrogate recoveries within project control limits?		x		see attached
40. Completeness percentage within project limits?		x		40.

<p>Definitions: CCB – Continuing Calibration Blank; CCV – Continuing Calibration Verification; COI – Compounds of Interest; DCS – Detectability Check Sample; ICB – Initial Calibration Blank; ICV – Initial Calibration Verification; LCS – Laboratory Control Sample; LCSD – Laboratory Control Sample Duplicate; MDL – Method Detection Limit; MS/MSD – Matrix Spike/Matrix Spike Duplicate; RL – Reporting Limit; RPD – Relative Percent Difference</p>				
COMMENTS				
Level IV Check - GC/MS RRF for instrument calibration also included in Level III checks after deficiencies noted in first samples – see attached for deficiencies noted.				
3. The laboratory reported two sets of results for the Aroclor analyses. (1) The original analyses were batched with an LCS/LCSD that the analyst forgot to spike. A site MS/MSD was included in the batch though and passed all requirements. All results are ND with no validation qualifiers. (2) The laboratory re-extracted the batch due to the failure to spike the LCS. The re-extraction was past the hold time. All results are ND with qualification required for exceeding the hold time. The validator selected the original analyses for use by qualifying all of the re-extractions with a NS-flag.				
10. Issues noted for all parameters. All are based on laboratory limits, which do not affect flagging for this site, except:				
Aroclor – LCS/LCSD not spiked (326852), batch reextracted past hold (327353), both results reported				
23. MDL for Thallium (dissolved) is 0.00089 mg/L according to hardcopy but reported as 0.0013 mg/L in EDD. SDLs in the EDD are correct (i.e., based on 0.00089 mg/L) so no further action taken.				
24. Copper actual MDL (0.003 mg/L) slightly above Target (0.002 mg/L) but below PSV (0.0036 mg/L)				
25. All Metals run at 2x dilution; not noted in narrative -> verbal from GCAL, due to chemical or physical interference (high levels of Mg)				
32. All analytes routinely spiked by lab are included as per QAPP. This is every TA except n-Butyl alcohol, Toxaphene, and the 5 middle Aroclors.				
40. Analyte-level goal of 80% not met for 2-Chloroethylvinyl ether (destroyed by VOC preservative for aqueous samples).				

DATA VALIDATION CHECKLIST (Level IV only)				
Client Name:	Project Number:			
Property Location:	Project Manager:			
Laboratory:	Laboratory Job No.:			
Reviewer:	Date Checked:			
ITEM	Yes	No	NA	Comment Number
Laboratory Report and Raw Data Package				
1. Sample results calculated and transcribed correctly?		x		1.
2. QC parameters calculated and reported correctly?	x			
3. Pesticide breakdown \leq 15%?	x			
4. GC/MS tuning performance within criteria?	x			
5. GC/MS RRF above minimum project requirements?			x	see Level III
6. ICP ICS recoveries within criteria?	x			
7. ICP ICB/CCB absolute value of results <MQL?	x			
8. GC qualitative identification criteria met?	x			
9. GC/MS qualitative identification criteria met?	x			
10. GC second confirmation RPD criteria met?		x		10.
COMMENTS				
1. Total < Dissolved for 13 of 120 metals result pairs. See attached for deficiencies noted. All affected pairs qualified as estimated (J/ UJ).				
10. RPD between columns is >40% for 7 pesticides. See attached for deficiencies noted.				

SET SUMMARY
Laboratory Job No.: 206062916

5	Number of Field Samples including Field Duplicates (1)
1	Number of Field MS/MSD Pairs
1	Number of Equipment Rinsate Blanks
0	Number of Field Blanks
1	Number of VOC Trip Blanks
7	Number of Parameters (VOC, SVOC, Pesticides, Aroclors, Metals-Total, Metals-Dissolved, TSS)
225	Number of Target Analytes per Sample
1159	Total Measurements for Field Samples (TSS not performed on Field Duplicate; Two analyses reported for the seven Aroclors)
869	Number of measurements with no validation qualifier (i.e., "none" in EDD)
147	Number of measurements with UJ flag (for various analytes due to low laboratory spike, matrix spike, and/or surrogate spike recovery; Total metal concentration < Dissolved metal concentration; poor calibration fit and/or calibration drift)
15	Number of measurements with UJ flag and an elevated SDL (for Acrolein, Chloroethane, and n-Butyl alcohol due to poor instrument response, i.e., low RRF)
2	Number of measurements with J- flag (for Bis(2-Ethylhexyl)phthalate due to low matrix spike recovery)
47	Number of measurements with J flag (due solely to result being between the SDL and SQL)
8	Number of measurements with J flag due to result being between the SDL and SQL plus some other QC deficiency (one for Benzo(g,h,i)perylene with low matrix spike recovery and seven for pesticides with a high RPD between the original and confirmation column)
25	Number of measurement with J flag due to result being between the SDL and SQL and/or the Total metal concentration < Dissolved metal concentration
0	Number of measurements with J+ flag
6	Number of measurements with U flag (due to blank contamination; analytes affected include Bis(2-Ethylhexyl)phthalate, Diethyl phthalate, and Methylene chloride)
35	Number of measurements with NS flag (for Aroclors because another analysis selected based on QC and the reported result)
5	Number of measurements with R flag (for five 2-Chloroethylvinyl ether non-detects because matrix spike recovery (0%) indicates analyte destroyed by preservative for aqueous samples)
100%	Completeness-to-date on a sample level (percentage of surface water samples with usable data, project goal 90%)
0%	Completeness-to-date on an analyte level (percentage of surface water samples with usable data for a specific analyte, project goal 80%) – 2-Chloroethylvinyl ether
100%	Completeness-to-date on an analyte level (percentage of surface water samples with usable data for a specific analyte, project goal 80%) – all other target analytes

Usability: All data suitable as qualified for the intended use except for the five results for 2-Chloroethylvinyl ether (all non-detects). Data for Acrolein, Chloroethane, and n-Butyl alcohol usable with an elevated reporting limit for the non-detects (as given in the Electronic Data Deliverable). The LCSD recovery for Benzidine is extremely low (less than 10%); however, the data for non-detects is considered usable with a UJ-flag because the MS and MSD recoveries (for the Field MS/MSD pair) are only slightly low at 56% and 53%, respectively.

QUALIFIED DATA TABLE

Field Sample Identification	Total_or_dissolved	Analyte	Data Qualifier	Reason for Qualification
IWSW30-030	total	Vanadium	J	result between SDL and SQL
IWSW30-030	dissolved	Vanadium	J	result between SDL and SQL
IWSW30-030	total	Titanium	J	result between SDL and SQL
IWSW30-030	total	Silver	J	result between SDL and SQL; Total < Dissolved
IWSW30-030	dissolved	Silver	J	result between SDL and SQL; Total < Dissolved
IWSW30-030	total	Molybdenum	J	result between SDL and SQL
IWSW30-030	dissolved	Molybdenum	J	result between SDL and SQL
IWSW30-030	dissolved	Manganese	J	result between SDL and SQL
IWSW30-030	total	Barium	J	result between SDL and SQL
IWSW30-030	dissolved	Barium	J	result between SDL and SQL
IWSW30-030		Aldrin	J	result between SDL and SQL; high RPD between columns (91%); analyst selected lower value due to interference
IWSW30-030		4,4'-DDD	J	result between SDL and SQL
IWSW30-030		Vinyl chloride	UJ	poor calibration fit (%RSD=16)
IWSW30-030		n-Butyl alcohol	UJ	low instrument response (low RRF); elevate SDL for NDs 2x (SW) or 50x (Sed)
IWSW30-030		Chloroethane	UJ	low instrument response (low RRF); elevate SDL for NDs 20x (SW)
IWSW30-030		Acrolein	UJ	low instrument response (low RRF); elevate SDL for NDs 20x (SW); calibration drift (%D= -21)
IWSW30-030		Acetone	J	result between SDL and SQL
IWSW30-030		2-Chloroethylvinyl ether	R	poor calibration fit (%RSD=26); low ave MS/MSD recovery (0%); analyte destroyed by preservative for aqueous samples
IWSW30-030		1,2-Dibromo-3-chloropropane	UJ	calibration drift (%D= -22)
IWSW30-030		1,1,2,2-Tetrachloroethane	UJ	calibration drift (%D= -23)
IWSW30-030		Pyridine	UJ	poor calibration fit (%RSD=16); low ave LCS/LCSD recovery (33%); low ave MS/MSD recovery (33%)
IWSW30-030		Pyrene	UJ	low ave MS/MSD recovery (56%)
IWSW30-030		Phenol	UJ	poor calibration fit (%RSD=20); low ave LCS/LCSD recovery (28%); low ave MS/MSD recovery (37%); low acidic SU recovery (48%); low acidic SU recovery (47%)
IWSW30-030		Pentachlorophenol	UJ	low acidic SU recovery (48%); low acidic SU recovery (47%)
IWSW30-030		o-Cresol	UJ	low ave LCS/LCSD recovery (56.5%); low acidic SU recovery (48%); low acidic SU recovery (47%)
IWSW30-030		n-Nitrosodimethylamine	UJ	low ave LCS/LCSD recovery (48.5%); low ave MS/MSD recovery (47%)
IWSW30-030		m,p-Cresol	UJ	low ave LCS/LCSD recovery (53%); low acidic SU recovery (48%); low acidic SU recovery (47%)
IWSW30-030		Indeno(1,2,3-cd)pyrene	UJ	low ave MS/MSD recovery (54%)
IWSW30-030		Hexachloroethane	UJ	low ave LCS/LCSD recovery (52%); low ave MS/MSD recovery (49.5%)
IWSW30-030		Hexachlorocyclopentadiene	UJ	low ave LCS/LCSD recovery (51%); low ave MS/MSD recovery (20.5%)
IWSW30-030		Di-n-octyl phthalate	J	result between SDL and SQL
IWSW30-030		Diethyl phthalate	U	equipment blank contamination (0.641 J ug/L); result between SDL and SQL
IWSW30-030		Dibenz(a,h)anthracene	UJ	low ave MS/MSD recovery (46%)
IWSW30-030		Chrysene	J	result between SDL and SQL
IWSW30-030		Caprolactam	UJ	low ave LCS/LCSD recovery (25.5%); low ave MS/MSD recovery (28.5%)
IWSW30-030		Bis(2-Ethylhexyl)phthalate	U	equipment blank contamination (0.656 J ug/L); low ave

QUALIFIED DATA TABLE

Field Sample Identification	Total_or_dissolved	Analyte	Data Qualifier	Reason for Qualification
				MS/MSD recovery (48%); result between SDL and SQL
IWSW30-030		Benzoic acid	UJ	low ave LCS/LCSD recovery (22%); low ave MS/MSD recovery (26.5%)
IWSW30-030		Benzo(k)fluoranthene	J	result between SDL and SQL
IWSW30-030		Benzo(g,h,i)perylene	J	low ave MS/MSD recovery (34%); result between SDL and SQL
IWSW30-030		Benzidine	UJ	extremely low LCSD recovery (2%) but only slightly low ave MS/MSD recovery (54.5%); calibration drift (%D= -29)
IWSW30-030		Aniline	UJ	low ave LCS/LCSD recovery (56%)
IWSW30-030		4-Nitrophenol	UJ	low ave LCS/LCSD recovery (26%); low ave MS/MSD recovery (48.5%); low acidic SU recovery (48%); low acidic SU recovery (47%)
IWSW30-030		4-Chloro-3-methylphenol	UJ	low acidic SU recovery (48%); low acidic SU recovery (47%)
IWSW30-030		4,6-Dinitro-2-methylphenol	UJ	low ave MS/MSD recovery (40.5%); low acidic SU recovery (48%); low acidic SU recovery (47%)
IWSW30-030		2-Nitrophenol	UJ	low acidic SU recovery (48%); low acidic SU recovery (47%)
IWSW30-030		2-Chlorophenol	UJ	low acidic SU recovery (48%); low acidic SU recovery (47%)
IWSW30-030		2,4-Dinitrophenol	UJ	low ave MS/MSD recovery (26%); low acidic SU recovery (48%); low acidic SU recovery (47%)
IWSW30-030		2,4-Dimethylphenol	UJ	low acidic SU recovery (48%); low acidic SU recovery (47%)
IWSW30-030		2,4-Dichlorophenol	UJ	low acidic SU recovery (48%); low acidic SU recovery (47%)
IWSW30-030		2,4,6-Trichlorophenol	UJ	low acidic SU recovery (48%); low acidic SU recovery (47%)
IWSW30-030		2,4,5-Trichlorophenol	UJ	low acidic SU recovery (48%); low acidic SU recovery (47%)
IWSW30-030(RE)		Aroclor-1260	NS	extracted past 7-day hold time (on day 9); another analysis selected based on QC and the reported result
IWSW30-030(RE)		Aroclor-1254	NS	extracted past 7-day hold time (on day 9); another analysis selected based on QC and the reported result
IWSW30-030(RE)		Aroclor-1248	NS	extracted past 7-day hold time (on day 9); another analysis selected based on QC and the reported result
IWSW30-030(RE)		Aroclor-1242	NS	extracted past 7-day hold time (on day 9); another analysis selected based on QC and the reported result
IWSW30-030(RE)		Aroclor-1232	NS	extracted past 7-day hold time (on day 9); another analysis selected based on QC and the reported result
IWSW30-030(RE)		Aroclor-1221	NS	extracted past 7-day hold time (on day 9); another analysis selected based on QC and the reported result
IWSW30-030(RE)		Aroclor-1016	NS	extracted past 7-day hold time (on day 9); another analysis selected based on QC and the reported result
IWSW31-031	total	Vanadium	J	result between SDL and SQL; Total < Dissolved
IWSW31-031	dissolved	Vanadium	J	result between SDL and SQL; Total < Dissolved
IWSW31-031	total	Titanium	J	result between SDL and SQL
IWSW31-031	total	Silver	J	result between SDL and SQL
IWSW31-031	dissolved	Silver	J	result between SDL and SQL
IWSW31-031	total	Molybdenum	J	result between SDL and SQL
IWSW31-031	dissolved	Manganese	J	result between SDL and SQL
IWSW31-031	total	Lithium	J	Total < Dissolved
IWSW31-031	dissolved	Lithium	J	Total < Dissolved
IWSW31-031	dissolved	Iron	J	result between SDL and SQL

QUALIFIED DATA TABLE

Field Sample Identification	Total_or_dissolved	Analyte	Data Qualifier	Reason for Qualification
IWSW31-031	total	Barium	J	result between SDL and SQL
IWSW31-031	dissolved	Barium	J	result between SDL and SQL
IWSW31-031	total	Aluminum	J	result between SDL and SQL
IWSW31-031		Aldrin	J	result between SDL and SQL; high RPD between columns (56%); analyst selected higher value
IWSW31-031		Vinyl chloride	UJ	poor calibration fit (%RSD=16)
IWSW31-031		n-Butyl alcohol	UJ	low instrument response (low RRF); elevate SDL for NDs 2x (SW) or 50x (Sed)
IWSW31-031		Methylene chloride	U	laboratory blank contamination (1.65 J ug/L); equipment blank contamination (3.79 JB ug/L); trip blank contamination (4.47 JB ug/L); result between SDL and SQL
IWSW31-031		Chloroethane	UJ	low instrument response (low RRF); elevate SDL for NDs 20x (SW)
IWSW31-031		Acrolein	UJ	low instrument response (low RRF); elevate SDL for NDs 20x (SW); calibration drift (%D= -21)
IWSW31-031		2-Chloroethylvinyl ether	R	poor calibration fit (%RSD=26); low ave MS/MSD recovery (0%); analyte destroyed by preservative for aqueous samples
IWSW31-031		1,2-Dibromo-3-chloropropane	UJ	calibration drift (%D= -22)
IWSW31-031		1,1,2,2-Tetrachloroethane	UJ	calibration drift (%D= -23)
IWSW31-031		Pyridine	UJ	poor calibration fit (%RSD=16); low ave LCS/LCSD recovery (33%); low ave MS/MSD recovery (33%)
IWSW31-031		Pyrene	UJ	low ave MS/MSD recovery (56%)
IWSW31-031		Phenol	UJ	poor calibration fit (%RSD=20); low ave LCS/LCSD recovery (28%); low ave MS/MSD recovery (37%); low acidic SU recovery (44%); low acidic SU recovery (42%)
IWSW31-031		Pentachlorophenol	UJ	low acidic SU recovery (44%); low acidic SU recovery (42%)
IWSW31-031		o-Cresol	UJ	low ave LCS/LCSD recovery (56.5%); low acidic SU recovery (44%); low acidic SU recovery (42%)
IWSW31-031		n-Nitrosodimethylamine	UJ	low ave LCS/LCSD recovery (48.5%); low ave MS/MSD recovery (47%)
IWSW31-031		m,p-Cresol	UJ	low ave LCS/LCSD recovery (53%); low acidic SU recovery (44%); low acidic SU recovery (42%)
IWSW31-031		Indeno(1,2,3-cd)pyrene	UJ	low ave MS/MSD recovery (54%)
IWSW31-031		Hexachloroethane	UJ	low ave LCS/LCSD recovery (52%); low ave MS/MSD recovery (49.5%)
IWSW31-031		Hexachlorocyclopentadiene	UJ	low ave LCS/LCSD recovery (51%); low ave MS/MSD recovery (20.5%)
IWSW31-031		Di-n-butyl phthalate	J	result between SDL and SQL
IWSW31-031		Dibenz(a,h)anthracene	UJ	low ave MS/MSD recovery (46%)
IWSW31-031		Caprolactam	UJ	low ave LCS/LCSD recovery (25.5%); low ave MS/MSD recovery (28.5%)
IWSW31-031		Bis(2-Ethylhexyl)phthalate	J-	low ave MS/MSD recovery (48%)
IWSW31-031		Benzoic acid	UJ	low ave LCS/LCSD recovery (22%); low ave MS/MSD recovery (26.5%)
IWSW31-031		Benzo(g,h,i)perylene	UJ	low ave MS/MSD recovery (34%)
IWSW31-031		Benzidine	UJ	extremely low LCSD recovery (2%) but only slightly low ave MS/MSD recovery (54.5%); calibration drift (%D= -29)
IWSW31-031		Aniline	UJ	low ave LCS/LCSD recovery (56%)
IWSW31-031		4-Nitrophenol	UJ	low ave LCS/LCSD recovery (26%); low ave MS/MSD recovery (48.5%); low acidic SU recovery (44%); low acidic SU recovery (42%)

QUALIFIED DATA TABLE

Field Sample Identification	Total or dissolved	Analyte	Data Qualifier	Reason for Qualification
IWSW31-031		4-Chloro-3-methylphenol	UJ	low acidic SU recovery (44%); low acidic SU recovery (42%)
IWSW31-031		4,6-Dinitro-2-methylphenol	UJ	low ave MS/MSD recovery (40.5%); low acidic SU recovery (44%); low acidic SU recovery (42%)
IWSW31-031		2-Nitrophenol	UJ	low acidic SU recovery (44%); low acidic SU recovery (42%)
IWSW31-031		2-Chlorophenol	UJ	low acidic SU recovery (44%); low acidic SU recovery (42%)
IWSW31-031		2,4-Dinitrophenol	UJ	low ave MS/MSD recovery (26%); low acidic SU recovery (44%); low acidic SU recovery (42%)
IWSW31-031		2,4-Dimethylphenol	UJ	low acidic SU recovery (44%); low acidic SU recovery (42%)
IWSW31-031		2,4-Dichlorophenol	UJ	low acidic SU recovery (44%); low acidic SU recovery (42%)
IWSW31-031		2,4,6-Trichlorophenol	UJ	low acidic SU recovery (44%); low acidic SU recovery (42%)
IWSW31-031		2,4,5-Trichlorophenol	UJ	low acidic SU recovery (44%); low acidic SU recovery (42%)
IWSW31-031 (RE)		Aroclor-1260	NS	extracted past 7-day hold time (on day 9); another analysis selected based on QC and the reported result
IWSW31-031 (RE)		Aroclor-1254	NS	extracted past 7-day hold time (on day 9); another analysis selected based on QC and the reported result
IWSW31-031 (RE)		Aroclor-1248	NS	extracted past 7-day hold time (on day 9); another analysis selected based on QC and the reported result
IWSW31-031 (RE)		Aroclor-1242	NS	extracted past 7-day hold time (on day 9); another analysis selected based on QC and the reported result
IWSW31-031 (RE)		Aroclor-1232	NS	extracted past 7-day hold time (on day 9); another analysis selected based on QC and the reported result
IWSW31-031 (RE)		Aroclor-1221	NS	extracted past 7-day hold time (on day 9); another analysis selected based on QC and the reported result
IWSW31-031 (RE)		Aroclor-1016	NS	extracted past 7-day hold time (on day 9); another analysis selected based on QC and the reported result
IWSW31-045	total	Vanadium	J	result between SDL and SQL
IWSW31-045	dissolved	Vanadium	J	result between SDL and SQL
IWSW31-045	total	Titanium	J	result between SDL and SQL
IWSW31-045	total	Strontium	J	Total < Dissolved
IWSW31-045	dissolved	Strontium	J	Total < Dissolved
IWSW31-045	total	Silver	J	result between SDL and SQL; Total < Dissolved
IWSW31-045	dissolved	Silver	J	result between SDL and SQL; Total < Dissolved
IWSW31-045	total	Molybdenum	UJ	Total < Dissolved
IWSW31-045	dissolved	Molybdenum	J	result between SDL and SQL; Total < Dissolved
IWSW31-045	dissolved	Manganese	J	result between SDL and SQL
IWSW31-045	total	Lithium	J	Total < Dissolved
IWSW31-045	dissolved	Lithium	J	Total < Dissolved
IWSW31-045	total	Chromium	J	Total < Dissolved
IWSW31-045	dissolved	Chromium	J	Total < Dissolved
IWSW31-045	total	Boron	J	Total < Dissolved
IWSW31-045	dissolved	Boron	J	Total < Dissolved
IWSW31-045	total	Barium	J	result between SDL and SQL
IWSW31-045	dissolved	Barium	J	result between SDL and SQL
IWSW31-045	total	Aluminum	J	result between SDL and SQL
IWSW31-045		Aldrin	J	result between SDL and SQL; high RPD between columns (57%); analyst selected higher value
IWSW31-045		Vinyl chloride	UJ	poor calibration fit (%RSD=16)

QUALIFIED DATA TABLE

Field Sample Identification	Total or dissolved	Analyte	Data Qualifier	Reason for Qualification
IWSW31-045		n-Butyl alcohol	UJ	low instrument response (low RRF); elevate SDL for NDs 2x (SW) or 50x (Sed)
IWSW31-045		Methylene chloride	U	laboratory blank contamination (1.65 J ug/L); equipment blank contamination (3.79 JB ug/L); trip blank contamination (4.47 JB ug/L); result between SDL and SQL
IWSW31-045		Chloroethane	UJ	low instrument response (low RRF); elevate SDL for NDs 20x (SW)
IWSW31-045		Acrolein	UJ	low instrument response (low RRF); elevate SDL for NDs 20x (SW); calibration drift (%D= -21)
IWSW31-045		2-Chloroethylvinyl ether	R	poor calibration fit (%RSD=26); low ave MS/MSD recovery (0%); analyte destroyed by preservative for aqueous samples
IWSW31-045		1,2-Dibromo-3-chloropropane	UJ	calibration drift (%D= -22)
IWSW31-045		1,1,2,2-Tetrachloroethane	UJ	calibration drift (%D= -23)
IWSW31-045		Pyridine	UJ	poor calibration fit (%RSD=16); low ave LCS/LCSD recovery (33%); low ave MS/MSD recovery (33%)
IWSW31-045		Pyrene	UJ	low ave MS/MSD recovery (56%)
IWSW31-045		Phenol	UJ	poor calibration fit (%RSD=20); low ave LCS/LCSD recovery (28%); low ave MS/MSD recovery (37%); low acidic SU recovery (46%); low acidic SU recovery (41%)
IWSW31-045		Pentachlorophenol	UJ	low acidic SU recovery (46%); low acidic SU recovery (41%)
IWSW31-045		o-Cresol	UJ	low ave LCS/LCSD recovery (56.5%); low acidic SU recovery (46%); low acidic SU recovery (41%)
IWSW31-045		n-Nitrosodimethylamine	UJ	low ave LCS/LCSD recovery (48.5%); low ave MS/MSD recovery (47%)
IWSW31-045		m,p-Cresol	UJ	low ave LCS/LCSD recovery (53%); low acidic SU recovery (46%); low acidic SU recovery (41%)
IWSW31-045		Indeno(1,2,3-cd)pyrene	UJ	low ave MS/MSD recovery (54%)
IWSW31-045		Hexachloroethane	UJ	low ave LCS/LCSD recovery (52%); low ave MS/MSD recovery (49.5%)
IWSW31-045		Hexachlorocyclopentadiene	UJ	low ave LCS/LCSD recovery (51%); low ave MS/MSD recovery (20.5%)
IWSW31-045		Dibenz(a,h)anthracene	UJ	low ave MS/MSD recovery (46%)
IWSW31-045		Caprolactam	UJ	low ave LCS/LCSD recovery (25.5%); low ave MS/MSD recovery (28.5%)
IWSW31-045		Bis(2-Ethylhexyl)phthalate	UJ	low ave MS/MSD recovery (48%)
IWSW31-045		Benzoic acid	UJ	low ave LCS/LCSD recovery (22%); low ave MS/MSD recovery (26.5%)
IWSW31-045		Benzo(g,h,i)perylene	UJ	low ave MS/MSD recovery (34%)
IWSW31-045		Benzidine	UJ	extremely low LCSD recovery (2%) but only slightly low ave MS/MSD recovery (54.5%); calibration drift (%D= -29)
IWSW31-045		Aniline	UJ	low ave LCS/LCSD recovery (56%)
IWSW31-045		4-Nitrophenol	UJ	low ave LCS/LCSD recovery (26%); low ave MS/MSD recovery (48.5%); low acidic SU recovery (46%); low acidic SU recovery (41%)
IWSW31-045		4-Chloro-3-methylphenol	UJ	low acidic SU recovery (46%); low acidic SU recovery (41%)
IWSW31-045		4,6-Dinitro-2-methylphenol	UJ	low ave MS/MSD recovery (40.5%); low acidic SU recovery (46%); low acidic SU recovery (41%)
IWSW31-045		2-Nitrophenol	UJ	low acidic SU recovery (46%); low acidic SU recovery (41%)
IWSW31-045		2-Chlorophenol	UJ	low acidic SU recovery (46%); low acidic SU recovery (41%)

QUALIFIED DATA TABLE

Field Sample Identification	Total_or_dissolved	Analyte	Data Qualifier	Reason for Qualification
IWSW31-045		2,4-Dinitrophenol	UJ	low ave MS/MSD recovery (26%); low acidic SU recovery (46%); low acidic SU recovery (41%)
IWSW31-045		2,4-Dimethylphenol	UJ	low acidic SU recovery (46%); low acidic SU recovery (41%)
IWSW31-045		2,4-Dichlorophenol	UJ	low acidic SU recovery (46%); low acidic SU recovery (41%)
IWSW31-045		2,4,6-Trichlorophenol	UJ	low acidic SU recovery (46%); low acidic SU recovery (41%)
IWSW31-045		2,4,5-Trichlorophenol	UJ	low acidic SU recovery (46%); low acidic SU recovery (41%)
IWSW31-045 (RE)		Aroclor-1260	NS	extracted past 7-day hold time (on day 9); another analysis selected based on QC and the reported result
IWSW31-045 (RE)		Aroclor-1254	NS	extracted past 7-day hold time (on day 9); another analysis selected based on QC and the reported result
IWSW31-045 (RE)		Aroclor-1248	NS	extracted past 7-day hold time (on day 9); another analysis selected based on QC and the reported result
IWSW31-045 (RE)		Aroclor-1242	NS	extracted past 7-day hold time (on day 9); another analysis selected based on QC and the reported result
IWSW31-045 (RE)		Aroclor-1232	NS	extracted past 7-day hold time (on day 9); another analysis selected based on QC and the reported result
IWSW31-045 (RE)		Aroclor-1221	NS	extracted past 7-day hold time (on day 9); another analysis selected based on QC and the reported result
IWSW31-045 (RE)		Aroclor-1016	NS	extracted past 7-day hold time (on day 9); another analysis selected based on QC and the reported result
IWSW32-032	total	Vanadium	J	result between SDL and SQL
IWSW32-032	dissolved	Vanadium	J	result between SDL and SQL
IWSW32-032	total	Titanium	J	result between SDL and SQL
IWSW32-032	total	Silver	J	result between SDL and SQL
IWSW32-032	dissolved	Silver	J	result between SDL and SQL
IWSW32-032	dissolved	Manganese	J	result between SDL and SQL
IWSW32-032	total	Barium	J	result between SDL and SQL
IWSW32-032	dissolved	Barium	J	result between SDL and SQL
IWSW32-032	total	Aluminum	J	result between SDL and SQL
IWSW32-032		Aldrin	J	result between SDL and SQL; high RPD between columns (59%); analyst selected higher value
IWSW32-032		Vinyl chloride	UJ	poor calibration fit (%RSD=16)
IWSW32-032		n-Butyl alcohol	UJ	low instrument response (low RRF); elevate SDL for NDs 2x (SW) or 50x (Sed)
IWSW32-032		Methylene chloride	U	laboratory blank contamination (1.65 J ug/L); equipment blank contamination (3.79 JB ug/L); trip blank contamination (4.47 JB ug/L); result between SDL and SQL
IWSW32-032		Chloroethane	UJ	low instrument response (low RRF); elevate SDL for NDs 20x (SW)
IWSW32-032		Acrolein	UJ	low instrument response (low RRF); elevate SDL for NDs 20x (SW); calibration drift (%D= -21)
IWSW32-032		2-Chloroethylvinyl ether	R	poor calibration fit (%RSD=26); low ave MS/MSD recovery (0%); analyte destroyed by preservative for aqueous samples
IWSW32-032		1,2-Dibromo-3-chloropropane	UJ	calibration drift (%D= -22)
IWSW32-032		1,1,2,2-Tetrachloroethane	UJ	calibration drift (%D= -23)
IWSW32-032		Pyridine	UJ	poor calibration fit (%RSD=16); low ave LCS/LCSD recovery (33%); low ave MS/MSD recovery (33%)
IWSW32-032		Pyrene	UJ	low ave MS/MSD recovery (56%)

QUALIFIED DATA TABLE

Field Sample Identification	Total or dissolved	Analyte	Data Qualifier	Reason for Qualification
IWSW32-032		Phenol	UJ	poor calibration fit (%RSD=20); low ave LCS/LCSD recovery (28%); low ave MS/MSD recovery (37%); low acidic SU recovery (51%); low acidic SU recovery (51%)
IWSW32-032		Pentachlorophenol	UJ	low acidic SU recovery (51%); low acidic SU recovery (51%)
IWSW32-032		o-Cresol	UJ	low ave LCS/LCSD recovery (56.5%); low acidic SU recovery (51%); low acidic SU recovery (51%)
IWSW32-032		n-Nitrosodimethylamine	UJ	low ave LCS/LCSD recovery (48.5%); low ave MS/MSD recovery (47%)
IWSW32-032		m,p-Cresol	UJ	low ave LCS/LCSD recovery (53%); low acidic SU recovery (51%); low acidic SU recovery (51%)
IWSW32-032		Indeno(1,2,3-cd)pyrene	UJ	low ave MS/MSD recovery (54%)
IWSW32-032		Hexachloroethane	UJ	low ave LCS/LCSD recovery (52%); low ave MS/MSD recovery (49.5%)
IWSW32-032		Hexachlorocyclopentadiene	UJ	low ave LCS/LCSD recovery (51%); low ave MS/MSD recovery (20.5%)
IWSW32-032		Dibenz(a,h)anthracene	UJ	low ave MS/MSD recovery (46%)
IWSW32-032		Caprolactam	UJ	low ave LCS/LCSD recovery (25.5%); low ave MS/MSD recovery (28.5%)
IWSW32-032		Bis(2-Ethylhexyl)phthalate	UJ	low ave MS/MSD recovery (48%)
IWSW32-032		Benzoic acid	UJ	low ave LCS/LCSD recovery (22%); low ave MS/MSD recovery (26.5%)
IWSW32-032		Benzo(g,h,i)perylene	UJ	low ave MS/MSD recovery (34%)
IWSW32-032		Benzidine	UJ	extremely low LCSD recovery (2%) but only slightly low ave MS/MSD recovery (54.5%); calibration drift (%D= -29)
IWSW32-032		Aniline	UJ	low ave LCS/LCSD recovery (56%)
IWSW32-032		4-Nitrophenol	UJ	low ave LCS/LCSD recovery (26%); low ave MS/MSD recovery (48.5%); low acidic SU recovery (51%); low acidic SU recovery (51%)
IWSW32-032		4-Chloro-3-methylphenol	UJ	low acidic SU recovery (51%); low acidic SU recovery (51%)
IWSW32-032		4,6-Dinitro-2-methylphenol	UJ	low ave MS/MSD recovery (40.5%); low acidic SU recovery (51%); low acidic SU recovery (51%)
IWSW32-032		2-Nitrophenol	UJ	low acidic SU recovery (51%); low acidic SU recovery (51%)
IWSW32-032		2-Chlorophenol	UJ	low acidic SU recovery (51%); low acidic SU recovery (51%)
IWSW32-032		2,4-Dinitrophenol	UJ	low ave MS/MSD recovery (26%); low acidic SU recovery (51%); low acidic SU recovery (51%)
IWSW32-032		2,4-Dimethylphenol	UJ	low acidic SU recovery (51%); low acidic SU recovery (51%)
IWSW32-032		2,4-Dichlorophenol	UJ	low acidic SU recovery (51%); low acidic SU recovery (51%)
IWSW32-032		2,4,6-Trichlorophenol	UJ	low acidic SU recovery (51%); low acidic SU recovery (51%)
IWSW32-032		2,4,5-Trichlorophenol	UJ	low acidic SU recovery (51%); low acidic SU recovery (51%)
IWSW32-032 (RE)		Aroclor-1260	NS	extracted past 7-day hold time (on day 9); another analysis selected based on QC and the reported result
IWSW32-032 (RE)		Aroclor-1254	NS	extracted past 7-day hold time (on day 9); another analysis selected based on QC and the reported result
IWSW32-032 (RE)		Aroclor-1248	NS	extracted past 7-day hold time (on day 9); another analysis selected based on QC and the reported result
IWSW32-032 (RE)		Aroclor-1242	NS	extracted past 7-day hold time (on day 9); another analysis selected based on QC and the reported result
IWSW32-032 (RE)		Aroclor-1232	NS	extracted past 7-day hold time (on day 9); another analysis

QUALIFIED DATA TABLE

Field Sample Identification	Total_or_dissolved	Analyte	Data Qualifier	Reason for Qualification
				selected based on QC and the reported result
IWSW32-032 (RE)		Aroclor-1221	NS	extracted past 7-day hold time (on day 9); another analysis selected based on QC and the reported result
IWSW32-032 (RE)		Aroclor-1016	NS	extracted past 7-day hold time (on day 9); another analysis selected based on QC and the reported result
IWSW33-033	total	Vanadium	J	result between SDL and SQL
IWSW33-033	dissolved	Vanadium	J	result between SDL and SQL
IWSW33-033	total	Titanium	J	result between SDL and SQL
IWSW33-033	total	Strontium	J	Total < Dissolved
IWSW33-033	dissolved	Strontium	J	Total < Dissolved
IWSW33-033	total	Silver	J	result between SDL and SQL; Total < Dissolved
IWSW33-033	dissolved	Silver	J	result between SDL and SQL; Total < Dissolved
IWSW33-033	dissolved	Manganese	J	result between SDL and SQL
IWSW33-033	total	Lithium	J	Total < Dissolved
IWSW33-033	dissolved	Lithium	J	Total < Dissolved
IWSW33-033	total	Boron	J	Total < Dissolved
IWSW33-033	dissolved	Boron	J	Total < Dissolved
IWSW33-033	dissolved	Barium	J	result between SDL and SQL
IWSW33-033	total	Aluminum	J	result between SDL and SQL
IWSW33-033		Methoxychlor	J	result between SDL and SQL; high RPD between columns (44%); analyst selected higher value
IWSW33-033		Aldrin	J	result between SDL and SQL; high RPD between columns (49%); analyst selected higher value
IWSW33-033		4,4'-DDT	J	result between SDL and SQL; high RPD between columns (57%); analyst selected higher value
IWSW33-033		4,4'-DDD	J	result between SDL and SQL
IWSW33-033		Vinyl chloride	UJ	poor calibration fit (%RSD=16)
IWSW33-033		n-Butyl alcohol	UJ	low instrument response (low RRF); elevate SDL for NDs 2x (SW) or 50x (Sed)
IWSW33-033		Methylene chloride	U	laboratory blank contamination (1.65 J ug/L); equipment blank contamination (3.79 JB ug/L); trip blank contamination (4.47 JB ug/L); result between SDL and SQL
IWSW33-033		Chloroethane	UJ	low instrument response (low RRF); elevate SDL for NDs 20x (SW)
IWSW33-033		Acrolein	UJ	low instrument response (low RRF); elevate SDL for NDs 20x (SW); calibration drift (%D= -21)
IWSW33-033		2-Chloroethylvinyl ether	R	poor calibration fit (%RSD=26); low ave MS/MSD recovery (0%); analyte destroyed by preservative for aqueous samples
IWSW33-033		1,2-Dibromo-3-chloropropane	UJ	calibration drift (%D= -22)
IWSW33-033		1,1,2,2-Tetrachloroethane	UJ	calibration drift (%D= -23)
IWSW33-033		Pyridine	UJ	poor calibration fit (%RSD=16); low ave LCS/LCSD recovery (33%); low ave MS/MSD recovery (33%)
IWSW33-033		Pyrene	UJ	low ave MS/MSD recovery (56%)
IWSW33-033		Phenol	UJ	poor calibration fit (%RSD=20); low ave LCS/LCSD recovery (28%); low ave MS/MSD recovery (37%); low acidic SU recovery (32%); low acidic SU recovery (32%)
IWSW33-033		Pentachlorophenol	UJ	low acidic SU recovery (32%); low acidic SU recovery (32%)
IWSW33-033		o-Cresol	UJ	low ave LCS/LCSD recovery (56.5%); low acidic SU recovery (32%); low acidic SU recovery (32%)
IWSW33-033		n-Nitrosodimethylamine	UJ	low ave LCS/LCSD recovery (48.5%); low ave MS/MSD

QUALIFIED DATA TABLE

Field Sample Identification	Total or dissolved	Analyte	Data Qualifier	Reason for Qualification
				recovery (47%)
IWSW33-033		m,p-Cresol	UJ	low ave LCS/LCSD recovery (53%); low acidic SU recovery (32%); low acidic SU recovery (32%)
IWSW33-033		Indeno(1,2,3-cd)pyrene	UJ	low ave MS/MSD recovery (54%)
IWSW33-033		Hexachloroethane	UJ	low ave LCS/LCSD recovery (52%); low ave MS/MSD recovery (49.5%)
IWSW33-033		Hexachlorocyclopentadiene	UJ	low ave LCS/LCSD recovery (51%); low ave MS/MSD recovery (20.5%)
IWSW33-033		Di-n-butyl phthalate	J	result between SDL and SQL
IWSW33-033		Dibenz(a,h)anthracene	UJ	low ave MS/MSD recovery (46%)
IWSW33-033		Caprolactam	UJ	low ave LCS/LCSD recovery (25.5%); low ave MS/MSD recovery (28.5%)
IWSW33-033		Bis(2-Ethylhexyl)phthalate	J-	low ave MS/MSD recovery (48%)
IWSW33-033		Benzoic acid	UJ	low ave LCS/LCSD recovery (22%); low ave MS/MSD recovery (26.5%)
IWSW33-033		Benzo(g,h,i)perylene	UJ	low ave MS/MSD recovery (34%)
IWSW33-033		Benzidine	UJ	extremely low LCSD recovery (2%) but only slightly low ave MS/MSD recovery (54.5%); calibration drift (%D= -29)
IWSW33-033		Aniline	UJ	low ave LCS/LCSD recovery (56%)
IWSW33-033		4-Nitrophenol	UJ	low ave LCS/LCSD recovery (26%); low ave MS/MSD recovery (48.5%); low acidic SU recovery (32%); low acidic SU recovery (32%)
IWSW33-033		4-Chloro-3-methylphenol	UJ	low acidic SU recovery (32%); low acidic SU recovery (32%)
IWSW33-033		4,6-Dinitro-2-methylphenol	UJ	low ave MS/MSD recovery (40.5%); low acidic SU recovery (32%); low acidic SU recovery (32%)
IWSW33-033		2-Nitrophenol	UJ	low acidic SU recovery (32%); low acidic SU recovery (32%)
IWSW33-033		2-Chlorophenol	UJ	low acidic SU recovery (32%); low acidic SU recovery (32%)
IWSW33-033		2,4-Dinitrophenol	UJ	low ave MS/MSD recovery (26%); low acidic SU recovery (32%); low acidic SU recovery (32%)
IWSW33-033		2,4-Dimethylphenol	UJ	low acidic SU recovery (32%); low acidic SU recovery (32%)
IWSW33-033		2,4-Dichlorophenol	UJ	low acidic SU recovery (32%); low acidic SU recovery (32%)
IWSW33-033		2,4,6-Trichlorophenol	UJ	low acidic SU recovery (32%); low acidic SU recovery (32%)
IWSW33-033		2,4,5-Trichlorophenol	UJ	low acidic SU recovery (32%); low acidic SU recovery (32%)
IWSW33-033 (RE)		Aroclor-1260	NS	extracted past 7-day hold time (on day 9); another analysis selected based on QC and the reported result
IWSW33-033 (RE)		Aroclor-1254	NS	extracted past 7-day hold time (on day 9); another analysis selected based on QC and the reported result
IWSW33-033 (RE)		Aroclor-1248	NS	extracted past 7-day hold time (on day 9); another analysis selected based on QC and the reported result
IWSW33-033 (RE)		Aroclor-1242	NS	extracted past 7-day hold time (on day 9); another analysis selected based on QC and the reported result
IWSW33-033 (RE)		Aroclor-1232	NS	extracted past 7-day hold time (on day 9); another analysis selected based on QC and the reported result
IWSW33-033 (RE)		Aroclor-1221	NS	extracted past 7-day hold time (on day 9); another analysis selected based on QC and the reported result
IWSW33-033 (RE)		Aroclor-1016	NS	extracted past 7-day hold time (on day 9); another analysis selected based on QC and the reported result

ATTACHMENT 1

Sample_ID	Lab_Sample_ID	Test_type_code	Analytical_Method	Total_or_dissolved	Matrix	Parameter	Valid_qualifier	Result_type_code	Prep_date	Prep_time	Analysis_Date	Analysis_Time	QC_comment	QC_Batch
IWSW31-045	20606291606	SMP	SW6010B	total	W	Boron	J / UJ to RRs/NDs	TRG	6/29/2006	13:10	7/6/2006	22:56	Total < Dissolved	327177
IWSW31-045	20606291606	SMP	SW6010B	dissolved	W	Boron	J / UJ to RRs/NDs	TRG	7/1/2006	13:10	7/6/2006	21:19	Total < Dissolved	327177
IWSW33-033	20606291607	SMP	SW6010B	total	W	Boron	J / UJ to RRs/NDs	TRG	6/29/2006	13:10	7/6/2006	23:03	Total < Dissolved	327177
IWSW33-033	20606291607	SMP	SW6010B	dissolved	W	Boron	J / UJ to RRs/NDs	TRG	7/1/2006	13:10	7/6/2006	21:26	Total < Dissolved	327177
IWSW31-045	20606291606	SMP	SW6010B	total	W	Chromium	J / UJ to RRs/NDs	TRG	6/29/2006	13:10	7/6/2006	22:56	Total < Dissolved	327177
IWSW31-045	20606291606	SMP	SW6010B	dissolved	W	Chromium	J / UJ to RRs/NDs	TRG	7/1/2006	13:10	7/6/2006	21:19	Total < Dissolved	327177
IW-050-EB	20606291608	EQBK	SW6010B	total	W	Cobalt	U to RRs < 5 x BlankEquivConc (none)	TRG	6/29/2006	13:10	7/6/2006	22:22	equipment blank contamination (B 0.00071 mg/L)	327177
MB for HBN 326903 [DIGM/12089]	385844	LB	SW6010B	total	W	Hardness	U to RRs < 5 x BlankEquivConc (none)	TRG	6/29/2006	13:10	7/6/2006	21:33	laboratory blank contamination (B 0.29 mg/L)	327177
IWSW31-031 MSD	20606291604	MSD	SW6010B	total	W	Hardness	none (waived due to high parent conc)	TRG	6/29/2006	13:10	7/6/2006	22:01	extremely low MS/MSD recovery (-600%)	327177
IW-050-EB	20606291608	EQBK	SW6010B	total	W	Hardness	U to RRs < 5 x BlankEquivConc (none)	TRG	6/29/2006	13:10	7/6/2006	22:22	equipment blank contamination (B 0.24 mg/L)	327177
IWSW31-031	20606291602	SMP	SW6010B	total	W	Lithium	J / UJ to RRs/NDs	TRG	6/29/2006	13:10	7/6/2006	21:47	Total < Dissolved	327177
IWSW31-031	20606291602	SMP	SW6010B	dissolved	W	Lithium	J / UJ to RRs/NDs	TRG	7/1/2006	13:10	7/6/2006	20:17	Total < Dissolved	327177
IWSW31-031 MSD	20606291604	MSD	SW6010B	dissolved	W	Lithium	none (waived due to high parent conc)	TRG	7/1/2006	13:10	7/6/2006	20:31	high ave MS/MSD recovery (139%)	327177
IWSW31-031 MSD	20606291604	MSD	SW6010B	total	W	Lithium	none (waived due to high parent conc)	TRG	6/29/2006	13:10	7/6/2006	22:01	high ave MS/MSD recovery (148%)	327177
IWSW31-045	20606291606	SMP	SW6010B	total	W	Lithium	J / UJ to RRs/NDs	TRG	6/29/2006	13:10	7/6/2006	22:56	Total < Dissolved	327177
IWSW31-045	20606291606	SMP	SW6010B	dissolved	W	Lithium	J / UJ to RRs/NDs	TRG	7/1/2006	13:10	7/6/2006	21:19	Total < Dissolved	327177
IWSW33-033	20606291607	SMP	SW6010B	total	W	Lithium	J / UJ to RRs/NDs	TRG	6/29/2006	13:10	7/6/2006	23:03	Total < Dissolved	327177
IWSW33-033	20606291607	SMP	SW6010B	dissolved	W	Lithium	J / UJ to RRs/NDs	TRG	7/1/2006	13:10	7/6/2006	21:26	Total < Dissolved	327177
IWSW31-045	20606291606	SMP	SW6010B	total	W	Molybdenum	J / UJ to RRs/NDs	TRG	6/29/2006	13:10	7/6/2006	22:56	Total < Dissolved	327177
IWSW31-045	20606291606	SMP	SW6010B	dissolved	W	Molybdenum	J / UJ to RRs/NDs	TRG	7/1/2006	13:10	7/6/2006	21:19	Total < Dissolved	327177
MB for HBN 326903 [DIGM/12089]	385844	LB	SW6010B	total	W	Selenium	U to RRs < 5 x BlankEquivConc (none)	TRG	6/29/2006	13:10	7/6/2006	21:33	laboratory blank contamination (B 0.0099 mg/L)	327177
MB for HBN 326904 [DIGM/12090]	385846	LB	SW6010B	dissolved	W	Selenium	U to RRs < 5 x BlankEquivConc (none)	TRG	7/1/2006	13:10	7/6/2006	20:04	laboratory blank contamination (B 0.0094 mg/L)	327177
IW-050-EB	20606291608	EQBK	SW6010B	total	W	Selenium	U to RRs < 5 x BlankEquivConc (none)	TRG	6/29/2006	13:10	7/6/2006	22:22	equipment blank contamination (B 0.0059 mg/L)	327177
IWSW30-030	20606291601	SMP	SW6010B	total	W	Silver	J / UJ to RRs/NDs	TRG	6/29/2006	13:10	7/6/2006	22:42	Total < Dissolved	327177
IWSW30-030	20606291601	SMP	SW6010B	dissolved	W	Silver	J / UJ to RRs/NDs	TRG	7/1/2006	13:10	7/6/2006	20:52	Total < Dissolved	327177
IWSW31-045	20606291606	SMP	SW6010B	total	W	Silver	J / UJ to RRs/NDs	TRG	6/29/2006	13:10	7/6/2006	22:56	Total < Dissolved	327177
IWSW31-045	20606291606	SMP	SW6010B	dissolved	W	Silver	J / UJ to RRs/NDs	TRG	7/1/2006	13:10	7/6/2006	21:19	Total < Dissolved	327177
IWSW33-033	20606291607	SMP	SW6010B	total	W	Silver	J / UJ to RRs/NDs	TRG	6/29/2006	13:10	7/6/2006	23:03	Total < Dissolved	327177
IWSW33-033	20606291607	SMP	SW6010B	dissolved	W	Silver	J / UJ to RRs/NDs	TRG	7/1/2006	13:10	7/6/2006	21:26	Total < Dissolved	327177

ATTACHMENT 1

Sample_ID	Lab_Sample_ID	Test_type_code	Analytical_Method	Total_or_dissolved	Matrix	Parameter	Valid_qualifier	Result_type_code	Prep_date	Prep_time	Analysis_Date	Analysis_Time	QC_comment	QC_Batch
IWSW31-031 MSD	20606291604	MSD	SW6010B	dissolved	W	Strontium	none (waived due to high parent conc)	TRG	7/1/2006	13:10	7/6/2006	20:31	low ave MS/MSD recovery (68.5%)	327177
IWSW31-045	20606291606	SMP	SW6010B	total	W	Strontium	J / UJ to RRs/NDs	TRG	6/29/2006	13:10	7/6/2006	22:56	Total < Dissolved	327177
IWSW31-045	20606291606	SMP	SW6010B	dissolved	W	Strontium	J / UJ to RRs/NDs	TRG	7/1/2006	13:10	7/6/2006	21:19	Total < Dissolved	327177
IWSW33-033	20606291607	SMP	SW6010B	total	W	Strontium	J / UJ to RRs/NDs	TRG	6/29/2006	13:10	7/6/2006	23:03	Total < Dissolved	327177
IWSW33-033	20606291607	SMP	SW6010B	dissolved	W	Strontium	J / UJ to RRs/NDs	TRG	7/1/2006	13:10	7/6/2006	21:26	Total < Dissolved	327177
MB for HBN 326904 [DIGM/12090]	385846	LB	SW6010B	dissolved	W	Titanium	U to RRs < 5 x BlankEquivConc (none)	TRG	7/1/2006	13:10	7/6/2006	20:04	laboratory blank contamination (B 0.00053 mg/L)	327177
IWSW31-031	20606291602	SMP	SW6010B	total	W	Vanadium	J / UJ to RRs/NDs	TRG	6/29/2006	13:10	7/6/2006	21:47	Total < Dissolved	327177
IWSW31-031	20606291602	SMP	SW6010B	dissolved	W	Vanadium	J / UJ to RRs/NDs	TRG	7/1/2006	13:10	7/6/2006	20:17	Total < Dissolved	327177
IW-050-EB	20606291608	EQBK	SW6010B	total	W	Zinc	U to RRs < 5 x BlankEquivConc (none)	TRG	6/29/2006	13:10	7/6/2006	22:22	equipment blank contamination (B 0.013 mg/L)	327177
IWSW33-033	20606291607	SMP	SW8081A		W	4,4'-DDT	J to RR	TRG	6/30/2006	16:00	7/6/2006	4:34	high RPD between columns (57%); analyst selected higher value	327279
IWSW30-030	20606291601	SMP	SW8081A		W	Aldrin	J to RR	TRG	6/30/2006	16:00	7/6/2006	1:08	high RPD between columns (91%); analyst selected lower value due to interference	327279
IWSW31-031	20606291602	SMP	SW8081A		W	Aldrin	J to RR	TRG	6/30/2006	16:00	7/6/2006	1:27	high RPD between columns (56%); analyst selected higher value	327279
IWSW32-032	20606291605	SMP	SW8081A		W	Aldrin	J to RR	TRG	6/30/2006	16:00	7/6/2006	3:56	high RPD between columns (59%); analyst selected higher value	327279
IWSW31-045	20606291606	SMP	SW8081A		W	Aldrin	J to RR	TRG	6/30/2006	16:00	7/6/2006	4:15	high RPD between columns (57%); analyst selected higher value	327279
IWSW33-033	20606291607	SMP	SW8081A		W	Aldrin	J to RR	TRG	6/30/2006	16:00	7/6/2006	4:34	high RPD between columns (49%); analyst selected higher value	327279
IW-050-EB	20606291608	EQBK	SW8081A		W	delta-BHC	U to RRs < 5 x BlankEquivConc (none)	TRG	6/30/2006	16:00	7/6/2006	4:52	equipment blank contamination (0.03 ug/L)	327279
IW-050-EB	20606291608	EQBK	SW8081A		W	gamma-BHC (Lindane)	U to RRs < 5 x BlankEquivConc (none)	TRG	6/30/2006	16:00	7/6/2006	4:52	equipment blank contamination (J 0.00424 ug/L)	327279
IWSW33-033	20606291607	SMP	SW8081A		W	Methoxychlor	J to RR	TRG	6/30/2006	16:00	7/6/2006	4:34	high RPD between columns (44%); analyst selected higher value	327279
IWSW30-030(RE)	20606291610	SMP	SW8082		W	All Aroclors	NS to RRs/NDs	TRG	7/6/2006	21:00	7/7/2006	12:28	extracted past 7-day hold time (on day 9); another analysis selected based on QC and reported results)	327358
IWSW31-031 (RE)	20606291611	SMP	SW8082		W	All Aroclors	NS to RRs/NDs	TRG	7/6/2006	21:00	7/7/2006	12:47	extracted past 7-day hold time (on day 9); another analysis selected based on QC and reported results)	327358
IWSW32-032 (RE)	20606291614	SMP	SW8082		W	All Aroclors	NS to RRs/NDs	TRG	7/6/2006	21:00	7/7/2006	13:43	extracted past 7-day hold time (on day 9); another	327358

ATTACHMENT 1

Sample_ID	Lab_Sample_ID	Test_type_code	Analytical_Method	Total_or_dissolved	Matrix	Parameter	Valid_qualifier	Result_type_code	Prep_date	Prep_time	Analysis_Date	Analysis_Time	QC_comment	QC_Batch
													analysis selected based on QC and reported results)	
IWSW031-045 (RE)	20606291615	SMP	SW8082		W	All Aroclors	NS to RRs/NDs	TRG	7/6/2006	21:00	7/7/2006	14:02	extracted past 7-day hold time (on day 9); another analysis selected based on QC and reported results)	327358
IWSW33-033 (RE)	20606291617	SMP	SW8082		W	All Aroclors	NS to RRs/NDs	TRG	7/6/2006	21:00	7/7/2006	15:17	extracted past 7-day hold time (on day 9); another analysis selected based on QC and reported results)	327358
LCSD for HBN 326852 [EXTO/1404]	385689	LCSD	SW8082		W	Aroclor-1016	none (laboratory did not add spike to LCS; site MS/MSD passes)	TRG	6/30/2006	16:00	7/6/2006	0:49	extremely low LCS/LCSD recovery (0%)	327346
LCSD for HBN 326852 [EXTO/1404]	385689	LCSD	SW8082		W	Aroclor-1260	none (laboratory did not add spike to LCS; site MS/MSD passes)	TRG	6/30/2006	16:00	7/6/2006	0:49	extremely low LCS/LCSD recovery (0%)	327346
	G5792	CCV1	SW8260B			1,1,2,2-Tetrachloroethane	J- / UJ to RRs/NDs	VOC			7/3/06	7:51	calibration drift (%D= -23)	
	G5792	CCV1	SW8260B			1,2-Dibromo-3-chloropropane	J- / UJ to RRs/NDs	VOC			7/3/06	7:51	calibration drift (%D= -22)	
	G5210	ICAL1	SW8260B			2-Chloroethyl vinyl ether	J / UJ to RRs/NDs	VOC			6/18/06	16:30	poor calibration fit (%RSD=26)	
	G5792	CCV1	SW8260B			2-Chloroethyl vinyl ether	J+ to RRs (none)	VOC			7/3/06	7:51	calibration drift (%D= 24)	
IWSW31-031 MSD	20606291604	MSD	SW8260B		W	2-Chloroethylvinyl ether	J- / R to RRs/NDs	TRG			7/3/2006	12:43	low ave MS/MSD recovery (0%); analyte destroyed by preservative for aqueous samples	327076
	G5210	ICAL1	SW8260B			Acrolein	J / UJ to RRs/NDs	VOC			6/18/06	16:30	low instrument response (low RRF); elevate SDL for NDs 20x (SW)	
	G5792	CCV1	SW8260B			Acrolein	J- / UJ to RRs/NDs	VOC			7/3/06	7:51	calibration drift (%D= -21)	
LCSD for HBN 327076 [MSV/8637]	386532	LCSD	SW8260B		W	Chloroethane	J+ to RRs (none)	TRG			7/3/2006	8:43	high ave LCS/LCSD recovery (310%)	327076
	G5210	ICAL1	SW8260B			Chloroethane	J / UJ to RRs/NDs	VOC			6/18/06	16:30	low instrument response (low RRF); elevate SDL for NDs 20x (SW)	
	G5792	CCV1	SW8260B			Chloroethane	J+ to RRs (none)	VOC			7/3/06	7:51	calibration drift (%D= 33)	
MB for HBN 327076 [MSV/8637]	386530	LB	SW8260B		W	Methylene chloride	U to RRs < 10 x BlankEquivConc	TRG			7/3/2006	9:33	laboratory blank contamination (J 1.65 ug/L)	327076
IW-050-EB	20606291608	EQBK	SW8260B		W	Methylene chloride	U to RRs < 10 x BlankEquivConc	TRG			7/3/2006	2:21	equipment blank contamination (JB 3.79 ug/L)	327043
IW-051-FB	20606291609	TRIPBK	SW8260B		W	Methylene chloride	U to RRs < 10 x BlankEquivConc	TRG			7/3/2006	2:45	trip blank contamination (JB 4.47 ug/L)	327043
	G5023	ICAL2	SW8260B			n-Butyl alcohol	J / UJ to RRs/NDs	App9			6/14/06	7:30	low instrument response (low RRF); elevate SDL for NDs 2x (SW) or 50x (Sed)	
	G5795	CCV2	SW8260B			n-Butyl alcohol	J+ to RRs (none)	App9			7/3/06	9:08	calibration drift (%D= 32)	
	G5792	CCV1	SW8260B			Trichlorofluoromethane	J+ to RRs (none)	VOC			7/3/06	7:51	calibration drift (%D= 26)	
	G5210	ICAL1	SW8260B			Vinyl Chloride	J / UJ to RRs/NDs	VOC			6/18/06	16:30	poor calibration fit	

ATTACHMENT 1

Sample_ID	Lab_Sample_ID	Test_type_code	Analytical_Method	Total_or_dissolved	Matrix	Parameter	Valid_qualifier	Result_type_code	Prep_date	Prep_time	Analysis_Date	Analysis_Time	QC_comment	QC_Batch
													(%RSD=16)	
IWSW31-031 MSD	20606291604	MSD	SW8270C		W	2,4-Dinitrophenol	J- / UJ to RRs/NDs	TRG	6/30/2006	9:00	7/2/2006	1:53	low ave MS/MSD recovery (26%)	327031
IWSW30-030	20606291601	SMP	SW8270C		W	2-Fluorophenol	J- / UJ to RRs/NDs for acidic (phenolic) analytes	SUR	6/30/2006	9:00	7/2/2006	14:07	low acidic SU recovery (48%)	327060
IWSW31-031	20606291602	SMP	SW8270C		W	2-Fluorophenol	J- / UJ to RRs/NDs for acidic (phenolic) analytes	SUR	6/30/2006	9:00	7/2/2006	14:23	low acidic SU recovery (44%)	327060
IWSW32-032	20606291605	SMP	SW8270C		W	2-Fluorophenol	J- / UJ to RRs/NDs for acidic (phenolic) analytes	SUR	6/30/2006	9:00	7/2/2006	14:38	low acidic SU recovery (51%)	327060
IWSW31-045	20606291606	SMP	SW8270C		W	2-Fluorophenol	J- / UJ to RRs/NDs for acidic (phenolic) analytes	SUR	6/30/2006	9:00	7/2/2006	2:23	low acidic SU recovery (46%)	327031
IWSW33-033	20606291607	SMP	SW8270C		W	2-Fluorophenol	J- / UJ to RRs/NDs for acidic (phenolic) analytes	SUR	6/30/2006	9:00	7/2/2006	14:53	low acidic SU recovery (32%)	327060
IWSW31-031 MSD	20606291604	MSD	SW8270C		W	4,6-Dinitro-2-methylphenol	J- / UJ to RRs/NDs	TRG	6/30/2006	9:00	7/2/2006	1:53	low ave MS/MSD recovery (40.5%)	327031
LCSD for HBN 326856 [EXTO/1405]	385701	LCSD	SW8270C		W	4-Nitrophenol	J- / UJ to RRs/NDs	TRG	6/30/2006	9:00	7/19/2006	12:11	low ave LCS/LCSD recovery (26%)	328332
IWSW31-031 MSD	20606291604	MSD	SW8270C		W	4-Nitrophenol	J- / UJ to RRs/NDs	TRG	6/30/2006	9:00	7/2/2006	1:53	low ave MS/MSD recovery (48.5%)	327031
IW-050-EB	20606291608	EQBK	SW8270C		W	Acetophenone	U to RRs < 5 x BlankEquivConc (none)	TRG	6/30/2006	9:00	7/2/2006	2:54	equipment blank contamination (J 0.68 ug/L)	327031
LCSD for HBN 326856 [EXTO/1405]	385701	LCSD	SW8270C		W	Aniline	J- / UJ to RRs/NDs	TRG	6/30/2006	9:00	7/19/2006	12:11	low ave LCS/LCSD recovery (56%)	328332
LCSD for HBN 326856 [EXTO/1405]	385701	LCSD	SW8270C		W	Benzaldehyde	J+ to RRs (none)	TRG	6/30/2006	9:00	7/19/2006	12:11	high ave LCS/LCSD recovery (167%)	328332
IW-050-EB	20606291608	EQBK	SW8270C		W	Benzaldehyde	U to RRs < 5 x BlankEquivConc (none)	TRG	6/30/2006	9:00	7/2/2006	2:54	equipment blank contamination (J 3.69 ug/L)	327031
LCSD for HBN 326856 [EXTO/1405]	385701	LCSD	SW8270C		W	Benzidine	J- / UJ to NDs/RRs (since MS/MSD only slightly low)	TRG	6/30/2006	9:00	7/19/2006	12:11	extremely low LCSD recovery (2%)	328332
LCSD for HBN 326856 [EXTO/1405]	385701	LCSD	SW8270C		W	Benzidine	J to RRs (none)	TRG	6/30/2006	9:00	7/19/2006	12:11	poor LCS/LCSD precision (130 RPD)	328332
IWSW31-031 MSD	20606291604	MSD	SW8270C		W	Benzidine	J- / UJ to RRs/NDs	TRG	6/30/2006	9:00	7/2/2006	1:53	low ave MS/MSD recovery (54.5%)	327031
	B2208	CCV1	SW8270C			Benzidine	J- / UJ to RRs/NDs	SVOC			7/2/06	13:21	calibration drift (%D= -29)	
IWSW31-031 MSD	20606291604	MSD	SW8270C		W	Benzo(g,h,i)perylene	J- / UJ to RRs/NDs	TRG	6/30/2006	9:00	7/2/2006	1:53	low ave MS/MSD recovery (34%)	327031
LCSD for HBN 326856 [EXTO/1405]	385701	LCSD	SW8270C		W	Benzoic acid	J- / UJ to RRs/NDs	TRG	6/30/2006	9:00	7/19/2006	12:11	low ave LCS/LCSD recovery (22%)	328332
IWSW31-031 MSD	20606291604	MSD	SW8270C		W	Benzoic acid	J- / UJ to RRs/NDs	TRG	6/30/2006	9:00	7/2/2006	1:53	low ave MS/MSD recovery (26.5%)	327031
IWSW31-031	20606291604	MSD	SW8270C		W	Bis(2-Ethylhexyl)phthalate	J- / UJ to RRs/NDs	TRG	6/30/2006	9:00	7/2/2006	1:53	low ave MS/MSD recovery	327031

ATTACHMENT 1

Sample_ID	Lab_Sample_ID	Test_type_code	Analytical_Method	Total_or_dissolved	Matrix	Parameter	Valid_qualifier	Result_type_code	Prep_date	Prep_time	Analysis_Date	Analysis_Time	QC_comment	QC_Batch
MSD													(48%)	
IW-050-EB	20606291608	EQBK	SW8270C		W	Bis(2-Ethylhexyl)phthalate	U to RRs < 10 x BlankEquivConc	TRG	6/30/2006	9:00	7/2/2006	2:54	equipment blank contamination (J 0.656 ug/L)	327031
LCSD for HBN 326856 [EXTO/1405	385701	LCSD	SW8270C		W	Caprolactam	J- / UJ to RRs/NDs	TRG	6/30/2006	9:00	7/19/2006	12:11	low ave LCS/LCSD recovery (25.5%)	328332
IWSW31-031 MSD	20606291604	MSD	SW8270C		W	Caprolactam	J- / UJ to RRs/NDs	TRG	6/30/2006	9:00	7/2/2006	1:53	low ave MS/MSD recovery (28.5%)	327031
IWSW31-031 MSD	20606291604	MSD	SW8270C		W	Dibenz(a,h)anthracene	J- / UJ to RRs/NDs	TRG	6/30/2006	9:00	7/2/2006	1:53	low ave MS/MSD recovery (46%)	327031
IW-050-EB	20606291608	EQBK	SW8270C		W	Diethyl phthalate	U to RRs < 10 x BlankEquivConc	TRG	6/30/2006	9:00	7/2/2006	2:54	equipment blank contamination (J 0.641 ug/L)	327031
LCSD for HBN 326856 [EXTO/1405	385701	LCSD	SW8270C		W	Hexachlorocyclopentadiene	J- / UJ to RRs/NDs	TRG	6/30/2006	9:00	7/19/2006	12:11	low ave LCS/LCSD recovery (51%)	328332
IWSW31-031 MSD	20606291604	MSD	SW8270C		W	Hexachlorocyclopentadiene	J- / UJ to RRs/NDs	TRG	6/30/2006	9:00	7/2/2006	1:53	low ave MS/MSD recovery (20.5%)	327031
LCSD for HBN 326856 [EXTO/1405	385701	LCSD	SW8270C		W	Hexachloroethane	J- / UJ to RRs/NDs	TRG	6/30/2006	9:00	7/19/2006	12:11	low ave LCS/LCSD recovery (52%)	328332
IWSW31-031 MSD	20606291604	MSD	SW8270C		W	Hexachloroethane	J- / UJ to RRs/NDs	TRG	6/30/2006	9:00	7/2/2006	1:53	low ave MS/MSD recovery (49.5%)	327031
IWSW31-031 MSD	20606291604	MSD	SW8270C		W	Indeno(1,2,3-cd)pyrene	J- / UJ to RRs/NDs	TRG	6/30/2006	9:00	7/2/2006	1:53	low ave MS/MSD recovery (54%)	327031
LCSD for HBN 326856 [EXTO/1405	385701	LCSD	SW8270C		W	m,p-Cresol	J- / UJ to RRs/NDs	TRG	6/30/2006	9:00	7/19/2006	12:11	low ave LCS/LCSD recovery (53%)	328332
LCSD for HBN 326856 [EXTO/1405	385701	LCSD	SW8270C		W	n-Nitrosodimethylamine	J- / UJ to RRs/NDs	TRG	6/30/2006	9:00	7/19/2006	12:11	low ave LCS/LCSD recovery (48.5%)	328332
IWSW31-031 MSD	20606291604	MSD	SW8270C		W	n-Nitrosodimethylamine	J- / UJ to RRs/NDs	TRG	6/30/2006	9:00	7/2/2006	1:53	low ave MS/MSD recovery (47%)	327031
LCSD for HBN 326856 [EXTO/1405	385701	LCSD	SW8270C		W	o-Cresol	J- / UJ to RRs/NDs	TRG	6/30/2006	9:00	7/19/2006	12:11	low ave LCS/LCSD recovery (56.5%)	328332
LCSD for HBN 326856 [EXTO/1405	385701	LCSD	SW8270C		W	Phenol	J- / UJ to RRs/NDs	TRG	6/30/2006	9:00	7/19/2006	12:11	low ave LCS/LCSD recovery (28%)	328332
IWSW31-031 MSD	20606291604	MSD	SW8270C		W	Phenol	J- / UJ to RRs/NDs	TRG	6/30/2006	9:00	7/2/2006	1:53	low ave MS/MSD recovery (37%)	327031
	B2161	ICAL	SW8270C			Phenol	J / UJ to RRs/NDs	SVOC			7/1/06	18:17	poor calibration fit (%RSD=20)	
IWSW30-030	20606291601	SMP	SW8270C		W	Phenol-d5	J- / UJ to RRs/NDs for acidic (phenolic) analytes	SUR	6/30/2006	9:00	7/2/2006	14:07	low acidic SU recovery (47%)	327060
IWSW31-031	20606291602	SMP	SW8270C		W	Phenol-d5	J- / UJ to RRs/NDs for acidic (phenolic) analytes	SUR	6/30/2006	9:00	7/2/2006	14:23	low acidic SU recovery (42%)	327060
IWSW32-032	20606291605	SMP	SW8270C		W	Phenol-d5	J- / UJ to RRs/NDs for acidic (phenolic) analytes	SUR	6/30/2006	9:00	7/2/2006	14:38	low acidic SU recovery (51%)	327060
IWSW31-045	20606291606	SMP	SW8270C		W	Phenol-d5	J- / UJ to RRs/NDs for acidic (phenolic)	SUR	6/30/2006	9:00	7/2/2006	2:23	low acidic SU recovery (41%)	327031

ATTACHMENT 1

Sample_ID	Lab_Sample_ID	Test_type_code	Analytical_Method	Total_or_dissolved	Matrix	Parameter	Valid_qualifier	Result_type_code	Prep_date	Prep_time	Analysis_Date	Analysis_Time	QC_comment	QC_Batch
							analytes							
IWSW33-033	20606291607	SMP	SW8270C		W	Phenol-d5	J- / UJ to RRs/NDs for acidic (phenolic) analytes	SUR	6/30/2006	9:00	7/2/2006	14:53	low acidic SU recovery (32%)	327060
IWSW31-031 MSD	20606291604	MSD	SW8270C		W	Pyrene	J- / UJ to RRs/NDs	TRG	6/30/2006	9:00	7/2/2006	1:53	low ave MS/MSD recovery (56%)	327031
LCSD for HBN 326856 [EXTO/1405]	385701	LCSD	SW8270C		W	Pyridine	J- / UJ to RRs/NDs	TRG	6/30/2006	9:00	7/19/2006	12:11	low ave LCS/LCSD recovery (33%)	328332
IWSW31-031 MSD	20606291604	MSD	SW8270C		W	Pyridine	J- / UJ to RRs/NDs	TRG	6/30/2006	9:00	7/2/2006	1:53	low ave MS/MSD recovery (33%)	327031
	B2161	ICAL	SW8270C			Pyridine	J / UJ to RRs/NDs	SVOC			7/1/06	18:17	poor calibration fit (%RSD=16)	

DATA VALIDATION CHECKLIST (Level III and Level IV)				
ITEM	Yes	No	NA	Comment Number
Client Name: Pastor, Behling, & Wheeler				Project Number: 1352
Property Location: Gulfco Superfund Site				Project Manager: Eric Pastor
Laboratory: GCAL – Baton Rouge, LA				Laboratory Job No.: 206062809
Reviewer: Taryn Scholz (QAA, L.L.C.)				Date Checked: 8/25/06
Chain of Custody (COC) and Sample Receipt at Lab				
1. Signed COCs included and seals used?	x			
2. Date and time of sample collection included?	x			
3. All samples listed on the COC analyzed for in accordance with the RI/FS Work Plan?	x			3.
4. Field QC sample frequency met project requirements?	x			
5. Sample receipt temperature 2-6°C?	x			
6. Samples preserved appropriately?	x			
7. Samples received within 2 days of collection?	x			
8. No problems noted?	x			
Laboratory Report and Data Package				
9. Signed Case Narrative included?	x			
10. No analytical discrepancies noted in case narrative?	x			
11. Elevated reporting limits justified?			x	
12. MDLs reasonable per DCS?	x			
13. Calibration data acceptable?	x			
14. ICV and CCV recoveries within project control limits?	x			
15. ICB and CCB results <RL (MQL)?	x			
16. Internal standard areas within project control limits?			x	
Laboratory EDD				
17. Field sample IDs included?	x			
18. Laboratory sample IDs included?	x			
19. Date of analysis included?	x			
20. Date of sample preparation included?			x	
21. Samples prepared within holding time?			x	
22. Samples analyzed within holding time?	x			
23. Detection limit and quantitation limit included?	x			
24. Project target limits achieved?		x		24.
25. No elevated reporting limits?	x			
26. Method references included?	x			
27. Sample matrix included?	x			
28. Sample result units reported correctly?	x			
29. Soil/ sediment results corrected for dry-weight?			x	
30. Method blank results <RL (MDL)?	x			
31. Equipment and Trip blank results <RL (MDL)?	x			
32. All COIs included in LCS?	x			
33. LCS recovery within project control limits?	x			
34. MS/MSD recoveries within project control limits?	x			
35. LCS/LCSD RPDs within project control limits?			x	
36. MS/MSD RPDs within project control limits?	x			
37. Laboratory duplicate RPDs/Diffs within project control limits?			x	
38. Field duplicate RPDs/Diffs within project control limits?	x			
39. Surrogate recoveries within project control limits?			x	
40. Completeness percentage within project limits?	x			

<p>Definitions:</p> <p>CCB – Continuing Calibration Blank; CCV – Continuing Calibration Verification; COI – Compounds of Interest; DCS – Detectability Check Sample; ICB – Initial Calibration Blank; ICV – Initial Calibration Verification; LCS – Laboratory Control Sample; LCSD – Laboratory Control Sample Duplicate; MDL – Method Detection Limit; MS/MSD – Matrix Spike/Matrix Spike Duplicate; RL – Reporting Limit; RPD – Relative Percent Difference</p>				
<p>COMMENTS</p> <p>3. Cr VI-dissolved not requested or measured; Only one very low detect for Cr VI-total 24. Actual MDL of 0.010 mg/L slightly above target of 0.008 mg/L but well below PSV (0.0496 mg/L).</p>				

DATA VALIDATION CHECKLIST (Level IV only)				
Client Name: Pastor, Behling, & Wheeler	Project Number: 1352			
Property Location: Gulfco Superfund Site	Project Manager: Eric Pastor			
Laboratory: GCAL – Baton Rouge, LA	Laboratory Job No.: 206062809			
Reviewer: Taryn Scholz (QAA, L.L.C.)	Date Checked: 8/15/06			
ITEM	Yes	No	NA	Comment Number
Laboratory Report and Raw Data Package				
1. Sample results calculated and transcribed correctly?	X			
2. QC parameters calculated and reported correctly?	X			
3. Pesticide breakdown \leq 15%?			X	
4. GC/MS tuning performance within criteria?			X	
5. GC/MS RRF above minimum project requirements?			X	
6. ICP ICS recoveries within criteria?			X	
7. ICP ICB/CCB absolute value of results < MQL?			X	
8. GC qualitative identification criteria met?			X	
9. GC/MS qualitative identification criteria met?			X	
10. GC second confirmation %D criteria met?			X	
COMMENTS				

SET SUMMARY
Laboratory Job No.: 206062809

5	Number of Field Samples including Field Duplicates (1)
1	Number of Field MS/MSD Pairs
1	Number of Equipment Rinsate Blanks
0	Number of Field Blanks
NA	Number of VOC Trip Blanks
1	Number of Parameters (Cr VI-total)
1	Number of Target Analytes per Sample
5	Total Measurements for Field Samples
5	Number of measurements with no validation qualifier (i.e., "none" in EDD)
0	Number of measurements with UJ flag
0	Number of measurements with J- flag
0	Number of measurements with J flag
0	Number of measurements with J+ flag
0	Number of measurements with U flag
0	Number of measurements with NS flag
0	Number of measurements with R flag
100%	Completeness-to-date on a sample level (percentage of surface water samples with usable data, project goal 90%)
100%	Completeness-to-date on an analyte level (percentage of surface water samples with usable data for a specific analyte, project goal 80%) – Chromium VI

Usability: All data suitable for the intended use

QUALIFIED DATA TABLE

Field Sample Identification	Total_or_dissolved	Analyte	Data Qualifier	Reason for Qualification
none				

DATA VALIDATION CHECKLIST (Level III)				
ITEM	Yes	No	NA	Comment Number
Client Name: Pastor, Behling, & Wheeler				Project Number: 1352
Property Location: Gulfco Superfund Site				Project Manager: Eric Pastor
Laboratory: GCAL – Baton Rouge, LA				Laboratory Job No.: 206062910
Reviewer: Taryn Scholz (QAA, L.L.C.)				Date Checked: 8/25/06
Chain of Custody (COC) and Sample Receipt at Lab				
1. Signed COCs included and seals used?	x			
2. Date and time of sample collection included?	x			
3. All samples listed on the COC analyzed for in accordance with the RI/FS Work Plan?	x			3.
4. Field QC sample frequency met project requirements?	x			
5. Sample receipt temperature 2-6°C?	x			
6. Samples preserved appropriately?	x			
7. Samples received within 2 days of collection?	x			
8. No problems noted?	x			
Laboratory Report and Data Package				
9. Signed Case Narrative included?	x			
10. No analytical discrepancies noted in case narrative?	x			
11. Elevated reporting limits justified?				x
12. MDLs reasonable per DCS?	x			
13. Calibration data acceptable?	x			
14. ICV and CCV recoveries within project control limits?	x			
15. ICB and CCB results <RL (MQL)?	x			
16. Internal standard areas within project control limits?				x
Laboratory EDD				
17. Field sample IDs included?	x			
18. Laboratory sample IDs included?	x			
19. Date of analysis included?	x			
20. Date of sample preparation included?				x
21. Samples prepared within holding time?				x
22. Samples analyzed within holding time?	x			
23. Detection limit and quantitation limit included?	x			
24. Project target limits achieved?		x		24.
25. No elevated reporting limits?	x			
26. Method references included?	x			
27. Sample matrix included?	x			
28. Sample result units reported correctly?	x			
29. Soil/ sediment results corrected for dry-weight?			x	
30. Method blank results <RL (MDL)?	x			
31. Equipment and Trip blank results <RL (MDL)?	x			
32. All COIs included in LCS?	x			
33. LCS recovery within project control limits?	x			
34. MS/MSD recoveries within project control limits?	x			
35. LCS/LCSD RPDs within project control limits?				x
36. MS/MSD RPDs within project control limits?	x			
37. Laboratory duplicate RPDs/Diffs within project control limits?			x	
38. Field duplicate RPDs/Diffs within project control limits?	x			
39. Surrogate recoveries within project control limits?			x	
40. Completeness percentage within project limits?	x			

<p>Definitions: CCB – Continuing Calibration Blank; CCV – Continuing Calibration Verification; COI – Compounds of Interest; DCS – Detectability Check Sample; ICB – Initial Calibration Blank; ICV – Initial Calibration Verification; LCS – Laboratory Control Sample; LCSD – Laboratory Control Sample Duplicate; MDL – Method Detection Limit; MS/MSD – Matrix Spike/Matrix Spike Duplicate; RL – Reporting Limit; RPD – Relative Percent Difference </p>				
<p>COMMENTS</p> <p>3. Cr VI-dissolved not requested or measured; Only one very low detect for Cr VI-total 24. Actual MDL of 0.010 mg/L slightly above target of 0.008 mg/L but well below PSV (0.0496 mg/L).</p>				

SET SUMMARY
Laboratory Job No.: 206062910

5	Number of Field Samples including Field Duplicates (1)
1	Number of Field MS/MSD Pairs
1	Number of Equipment Rinsate Blanks
0	Number of Field Blanks
NA	Number of VOC Trip Blanks
1	Number of Parameters (Cr VI-total)
1	Number of Target Analytes per Sample
5	Total Measurements for Field Samples
5	Number of measurements with no validation qualifier (i.e., "none" in EDD)
0	Number of measurements with UJ flag
0	Number of measurements with J- flag
0	Number of measurements with J flag
0	Number of measurements with J+ flag
0	Number of measurements with U flag
0	Number of measurements with NS flag
0	Number of measurements with R flag
100%	Completeness-to-date on a sample level (percentage of surface water samples with usable data, project goal 90%)
100%	Completeness-to-date on an analyte level (percentage of surface water samples with usable data for a specific analyte, project goal 80%) – Chromium VI

Usability: All data suitable for the intended use

QUALIFIED DATA TABLE

Field Sample Identification	Total_or_dissolved	Analyte	Data Qualifier	Reason for Qualification
none				

DATA VALIDATION CHECKLIST (Level III)				
ITEM	Yes	No	NA	Comment Number
Client Name: Pastor, Behling, & Wheeler				Project Number: 1352
Property Location: Gulfco Superfund Site				Project Manager: Eric Pastor
Laboratory: GCAL – Baton Rouge, LA				Laboratory Job No.: 206071515
Reviewer: Taryn Scholz/ Don Flory (QAA, L.L.C.)				Date Checked: 9/4/06
Chain of Custody (COC) and Sample Receipt at Lab				
1. Signed COCs included and seals used?		x		1.
2. Date and time of sample collection included?	x			
3. All samples listed on the COC analyzed for in accordance with the RI/FS Work Plan?		x		3.
4. Field QC sample frequency met project requirements?	x			4.
5. Sample receipt temperature 2-6°C?	x			
6. Samples preserved appropriately?	x			
7. Samples received within 2 days of collection?	x			
8. No problems noted?	x			
Laboratory Report and Data Package				
9. Signed Case Narrative included?	x			
10. No analytical discrepancies noted in case narrative?		x		10.
11. Elevated reporting limits justified?	x			11.
12. MDLs reasonable per DCS?	x			
13. Calibration data acceptable?		x		see attached
14. ICV and CCV recoveries within project control limits?		x		see attached
15. ICB and CCB results <RL (MQL)?		x		see attached
16. Internal standard areas within project control limits?		x		16.
Laboratory EDD				
17. Field sample IDs included?	x			
18. Laboratory sample IDs included?	x			
19. Date of analysis included?	x			
20. Date of sample preparation included?	x			
21. Samples prepared within holding time?	x			
22. Samples analyzed within holding time?	x			
23. Detection limit and quantitation limit included?	x			
24. Project target limits achieved?	x			
25. No elevated reporting limits?		x		11.
26. Method references included?	x			
27. Sample matrix included?	x			
28. Sample result units reported correctly?	x			
29. Soil/ sediment results corrected for dry-weight?	x			
30. Method blank results <RL (MDL)?		x		30. see attached
31. Equipment and Trip blank results <RL (MDL)?		x		see attached
32. All COIs included in LCS?	x			32.
33. LCS recovery within project control limits?		x		see attached
34. MS/MSD recoveries within project control limits?		x		see attached
35. LCS/LCSD RPDs within project control limits?		x		see attached
36. MS/MSD RPDs within project control limits?		x		see attached
37. Laboratory duplicate RPDs/Diffs within project control limits?	x			
38. Field duplicate RPDs/Diffs within project control limits?			x	
39. Surrogate recoveries within project control limits?		x		see attached
40. Completeness percentage within project limits?	x			

<p>Definitions: CCB – Continuing Calibration Blank; CCV – Continuing Calibration Verification; COI – Compounds of Interest; DCS – Detectability Check Sample; ICB – Initial Calibration Blank; ICV – Initial Calibration Verification; LCS – Laboratory Control Sample; LCSD – Laboratory Control Sample Duplicate; MDL – Method Detection Limit; MS/MSD – Matrix Spike/Matrix Spike Duplicate; RL – Reporting Limit; RPD – Relative Percent Difference</p>				
COMMENTS				
Level IV Check - GC/MS RRF for instrument calibration also included in Level III checks after deficiencies noted in first samples – see attached for deficiencies noted				
<p>1. Lab did not sign page 3 of 5.</p> <p>3. TOC requested but not reported for NG3SE16-016-(0-0.5)</p> <p>4. A field dup was scheduled to be collected with this set of samples but was inadvertently omitted. This resulted in only 1 field dup collected for 28 on-site sediments; however, frequency for all sediments (on-site, ICWW, ponds) is still > 1 to 20.</p> <p>10. Issues noted for all parameters. All are based on laboratory limits, which do not affect flagging for this site, except:</p> <p>VOC – no MS/MSD for batch 328720 (50x dil for 20 TAs in NA2SE02-002-(0-0.5)) due to insufficient sample PEST – no MS/MSD for batch 328072 (for FB and EQBK only) due to insufficient sample; RT window originally set too wide, revisions submitted for results for 6 samples and the MS/MSD METALS – Zn in MB for batch 328055 and 328056 but much less than samples CONV – EQBK for HexCr outside holding time</p> <p>11. VOC – 3 samples required dilution due to IS problems from matrix interference (one of these has most TAs from 1x and rest from 50x med level)</p> <p>METALS – 1 sample required dilution due to chemical or physical interference</p> <p>16. For NA2SE02-002-(0-0.5), IS3 area for the 1x dilution is low at 49% of CCV. All TAs quantitated with IS3 reported from 50x dilution of the sample. No further action required.</p> <p>30. n-Butyl alcohol result not reported in EDD for MB 391654 or MB 392248; All samples in these batches are ND for this analyte – no further action taken.</p> <p>32. All analytes routinely spiked by lab are included as per QAPP. This is every TA except n-Butyl alcohol, Toxaphene, and the 5 middle Aroclors.</p> <p>METALS – ICV/CCV and ICB/CCB Forms and EDD indicate sample NF4SE13-013-(0-0.5) was analyzed on ICP5 but raw data shows ICP6. Results compare correctly with raw data so no further action taken.</p> <p>PESTICIDE REVISIONS – As noted in laboratory narrative, revised data for Pesticides was submitted for both the hardcopy report (206071515 Resubmission.pdf) and the EDD (206071515Rev1.csv submitted 9/11/06). A printout of the pdf should be added to the hardcopy report and the original EDD (206071515.csv submitted 8/14/06) should be deleted since the revised EDD contains all the original non-Pesticide data plus the revised Pesticide data and has been completely validated and flagged.</p>				

SET SUMMARY
Laboratory Job No.: 206071515

20	Number of Field Samples including Field Duplicates (0)
1	Number of Field MS/MSD Pairs
1	Number of Equipment Rinsate Blanks
1	Number of Field Blanks
1	Number of VOC Trip Blanks
6	Number of Parameters (VOC, SVOC, Pesticides, Aroclors, Metals, TOC)
199	Number of Target Analytes per Sample
3979	Total Measurements for Field Samples (TOC requested but not reported for NG3SE16-016-(0-0.5))
3054	Number of measurements with no flag
586	Number of measurements with UJ flag (for various analytes due to low laboratory spike, matrix spike and/or surrogate spike recovery; poor calibration fit and/or negative drift)
25	Number of measurements with J- flag (for various analytes, primarily Boron, due to low matrix spike recovery)
101	Number of measurements with J flag (due solely to result being between the SDL and SQL)
95	Number of measurements with J flag (due to result being between the SDL and SQL plus extremely low matrix spike recovery (for 19 Antimony results), low spike recovery, and/or calibration drift)
24	Number of measurements with J flag (due to poor duplicate precision; poor calibration fit and/or drift)
4	Number of measurements with J+ flag (for one Acetone result and three 4,4'-DDT results due to positive calibration drift)
89	Number of measurements with U flag (due to blank contamination; analytes affected include 2-Butanone, Acetone, Bis(2-Ethylhexyl)phthalate, Dibenz(a,h)anthracene, Di-n-butyl phthalate, Mercury, Methylene chloride, Naphthalene)
0	Number of measurements with NS flag
1	Number of measurements with R flag (for one Antimony non-detect due to extremely low MS/MSD ave recovery (19%))
100%	Completeness-to-date on a sample level (percentage of sediment samples, including all ICWW and on-site sediments, with usable data, project goal 90%)
98%	Completeness-to-date on an analyte level (percentage of sediment samples, including all ICWW and on-site sediments, with usable data for a specific analyte, project goal 80%) – Antimony
85%	Completeness-to-date on an analyte level (percentage of sediment samples, including all ICWW and on-site sediments, with usable data for a specific analyte, project goal 80%) – 2-Chloroethylvinyl ether
82%	Completeness-to-date on an analyte level (percentage of sediment samples, including all ICWW and on-site sediments, with usable data for a specific analyte, project goal 80%) – Benzidine
100%	Completeness-to-date on an analyte level (percentage of sediment samples, including all ICWW and on-site sediments, with usable data for a specific analyte, project goal 80%) – All other target analytes

Usability: All data suitable as qualified for the intended use except for one result for Antimony (a non-detect). Measurements qualified with a U-flag should be considered not present at the concentration reported.

QUALIFIED DATA TABLE

Field Sample Identification	Analyte	Data Qualifier	Reason for Qualification
NA1SE01-001-(0-0.5)	Antimony	J	result is between SDL and SQL, extremely low MS/MSD ave recovery (19%)
NA1SE01-001-(0-0.5)	Arsenic	J	result is between SDL and SQL
NA1SE01-001-(0-0.5)	Boron	J-	low MS/MSD ave recovery (67%)
NA1SE01-001-(0-0.5)	Molybdenum	J	result is between SDL and SQL, low MS/MSD ave recovery (62.5%)
NA1SE01-001-(0-0.5)	Mercury	U	laboratory blank contamination (0.0026 B mg/kg)
NA1SE01-001-(0-0.5)	4,4'-DDT	J	result is between SDL and SQL; calibration drift column 1 (%D=17); calibration drift column 1 (%D= 30); calibration drift column 2 (%D= 16)
NA1SE01-001-(0-0.5)	Endosulfan I	UJ	low LCS/LCSD ave recovery (50%); low MS/MSD ave recovery (56.5%)
NA1SE01-001-(0-0.5)	Endosulfan II	UJ	low MS/MSD ave recovery (57%)
NA1SE01-001-(0-0.5)	Aroclor-1016	UJ	low MS/MSD ave recovery (54.5%)
NA1SE01-001-(0-0.5)	2-Butanone	UJ	poor calibration fit (%RSD=27)
NA1SE01-001-(0-0.5)	Acetone	U	laboratory blank contamination (10.1 J ug/Kg); calibration drift (%D= 41); high LCS/LCSD ave recovery (156%); result is between SDL and SQL
NA1SE01-001-(0-0.5)	Acrolein	UJ	low MS/MSD ave recovery (11%)
NA1SE01-001-(0-0.5)	Acrylonitrile	UJ	poor calibration fit (%RSD=19)
NA1SE01-001-(0-0.5)	Methylene chloride	U	laboratory blank contamination (2.15 J ug/Kg); field blank contamination (5.48 JB ug/L); equipment blank contamination (5.89 JB ug/L); trip blank contamination (6.28 JB ug/L); result is between SDL and SQL
NA1SE01-001-(0-0.5)	Naphthalene	U	laboratory blank contamination (3.31 J ug/Kg); result is between SDL and SQL
NA1SE01-001-(0-0.5)	Vinyl acetate	UJ	low MS/MSD ave recovery (20.5%)
NA1SE01-001-(0-0.5)	1,2Diphenylhydrazine/Azobenzen	J	result is between SDL and SQL
NA1SE01-001-(0-0.5)	2,4,6-Trichlorophenol	J	result is between SDL and SQL
NA1SE01-001-(0-0.5)	2,4-Dinitrophenol	UJ	low LCS/LCSD ave recovery (35%), low MS/MSD ave recovery (52.5%)
NA1SE01-001-(0-0.5)	4,6-Dinitro-2-methylphenol	J	result is between SDL and SQL; low LCS/LCSD ave recovery (51.5%)
NA1SE01-001-(0-0.5)	4-Chloroaniline	UJ	low MS/MSD ave recovery (46%)
NA1SE01-001-(0-0.5)	4-Nitrophenol	UJ	low LCS/LCSD ave recovery (45.5%)
NA1SE01-001-(0-0.5)	Aniline	UJ	low MS/MSD ave recovery (50%)
NA1SE01-001-(0-0.5)	Benzaldehyde	UJ	poor calibration fit (%RSD=66)
NA1SE01-001-(0-0.5)	Benzidine	UJ	poor calibration fit (%RSD=49), low LCS/LCSD ave recovery (45.5%), low MS/MSD ave recovery (10%)
NA1SE01-001-(0-0.5)	Benzo(a)pyrene	J	result is between SDL and SQL, poor calibration fit (%RSD=17)
NA1SE01-001-(0-0.5)	Benzo(b)fluoranthene	J	result is between SDL and SQL
NA1SE01-001-(0-0.5)	Benzo(g,h,i)perylene	J	result is between SDL and SQL, low MS/MSD ave recovery (45%)
NA1SE01-001-(0-0.5)	Benzo(k)fluoranthene	J	result is between SDL and SQL
NA1SE01-001-(0-0.5)	Benzoic acid	UJ	low LCS/LCSD ave recovery (48.5%), low MS/MSD ave recovery (33.5%)
NA1SE01-001-(0-0.5)	Bis(2-Ethylhexyl)phthalate	U	equipment blank contamination (2.21 JB ug/L), result is between SDL and SQL
NA1SE01-001-(0-0.5)	Carbazole	J	result is between SDL and SQL
NA1SE01-001-(0-0.5)	Chrysene	J	result is between SDL and SQL
NA1SE01-001-(0-0.5)	Dibenz(a,h)anthracene	U	equipment blank contamination (1.05 J ug/L), result is between SDL and SQL, low MS/MSD ave recovery (56.5%)
NA1SE01-001-(0-0.5)	Hexachlorocyclopentadiene	UJ	low LCS/LCSD ave recovery (48.5%)
NA1SE01-001-(0-0.5)	Hexachloroethane	UJ	low LCS/LCSD ave recovery (53%), low MS/MSD ave recovery (59.5%)
NA1SE01-001-(0-0.5)	Indeno(1,2,3-cd)pyrene	J	result is between SDL and SQL

QUALIFIED DATA TABLE

NA1SE01-001-(0-0.5)	n-Nitrosodimethylamine	UJ	low LCS/LCSD ave recovery (56%), poor calibration fit (%RSD=25)
NA1SE01-001-(0-0.5)	n-Nitrosodi-n-propylamine	UJ	poor calibration fit (%RSD=21)
NA1SE01-001-(0-0.5)	Pentachlorophenol	UJ	low LCS/LCSD ave recovery (56%)
NA1SE01-001-(0-0.5)	Phenanthrene	J	result is between SDL and SQL
NA1SE01-001-(0-0.5)	Phenol	UJ	poor calibration fit (%RSD=16)
NA1SE01-001-(0-0.5)	Pyrene	J	result is between SDL and SQL, low MS/MSD ave recovery (57.5%)
NA1SE01-001-(0-0.5)	Pyridine	UJ	poor calibration fit (%RSD=27), low LCS/LCSD ave recovery (56%)
NA2SE02-002-(0-0.5)	Antimony	J	result is between SDL and SQL, extremely low MS/MSD ave recovery (25.5%)
NA2SE02-002-(0-0.5)	Arsenic	J	result is between SDL and SQL
NA2SE02-002-(0-0.5)	Boron	J-	low MS/MSD ave recovery (45%)
NA2SE02-002-(0-0.5)	Manganese	J	poor MS/MSD precision (34 RPD)
NA2SE02-002-(0-0.5)	Molybdenum	J	result is between SDL and SQL, low MS/MSD ave recovery (62%)
NA2SE02-002-(0-0.5)	Selenium	UJ	low MS/MSD ave recovery (68.5%)
NA2SE02-002-(0-0.5)	Titanium	J	poor MS/MSD precision (32 RPD)
NA2SE02-002-(0-0.5)	Mercury	U	laboratory blank contamination (0.0046 B mg/kg)
NA2SE02-002-(0-0.5)	4,4'-DDT	J	result is between SDL and SQL; calibration drift column 1 (%D= 16); calibration drift column 1 (%D= -34); calibration drift column 2 (%D= 22)
NA2SE02-002-(0-0.5)	Endosulfan I	UJ	low LCS/LCSD ave recovery (50%); low MS/MSD ave recovery (56.5%)
NA2SE02-002-(0-0.5)	Endosulfan II	UJ	low MS/MSD ave recovery (57%)
NA2SE02-002-(0-0.5)	Aroclor-1016	UJ	low MS/MSD ave recovery (54.5%)
NA2SE02-002-(0-0.5)	1,1,2,2-Tetrachloroethane	UJ	calibration drift (%D= -27)
NA2SE02-002-(0-0.5)	1,2,3-Trichloropropane	UJ	calibration drift (%D= -25)
NA2SE02-002-(0-0.5)	1,2-Dibromo-3-chloropropane	UJ	calibration drift (%D= -36)
NA2SE02-002-(0-0.5)	2-Butanone	UJ	poor calibration fit (%RSD=27)
NA2SE02-002-(0-0.5)	Acrolein	UJ	low MS/MSD ave recovery (11%)
NA2SE02-002-(0-0.5)	Acrylonitrile	UJ	poor calibration fit (%RSD=19)
NA2SE02-002-(0-0.5)	Methylene chloride	U	laboratory blank contamination (4.19 J ug/Kg); field blank contamination (5.48 JB ug/L); equipment blank contamination (5.89 JB ug/L); trip blank contamination (6.28 JB ug/L); result is between SDL and SQL
NA2SE02-002-(0-0.5)	trans-1,4-Dichloro-2-butene	UJ	calibration drift (%D= -22)
NA2SE02-002-(0-0.5)	Vinyl acetate	UJ	low MS/MSD ave recovery (20.5%)
NA2SE02-002-(0-0.5)	2,4-Dinitrophenol	UJ	low LCS/LCSD ave recovery (35%), low MS/MSD ave recovery (52.5%)
NA2SE02-002-(0-0.5)	4,6-Dinitro-2-methylphenol	UJ	low LCS/LCSD ave recovery (51.5%)
NA2SE02-002-(0-0.5)	4-Chloroaniline	UJ	low MS/MSD ave recovery (46%)
NA2SE02-002-(0-0.5)	4-Nitrophenol	UJ	low LCS/LCSD ave recovery (45.5%)
NA2SE02-002-(0-0.5)	Aniline	UJ	low MS/MSD ave recovery (50%)
NA2SE02-002-(0-0.5)	Benzaldehyde	UJ	poor calibration fit (%RSD=66)
NA2SE02-002-(0-0.5)	Benzidine	UJ	poor calibration fit (%RSD=49), low LCS/LCSD ave recovery (45.5%), low MS/MSD ave recovery (10%)
NA2SE02-002-(0-0.5)	Benzo(a)pyrene	UJ	poor calibration fit (%RSD=17)
NA2SE02-002-(0-0.5)	Benzo(b)fluoranthene	J	result is between SDL and SQL
NA2SE02-002-(0-0.5)	Benzo(g,h,i)perylene	J	result is between SDL and SQL, low MS/MSD ave recovery (45%)
NA2SE02-002-(0-0.5)	Benzo(k)fluoranthene	J	result is between SDL and SQL
NA2SE02-002-(0-0.5)	Benzoic acid	UJ	low LCS/LCSD ave recovery (48.5%), low MS/MSD ave recovery (33.5%)
NA2SE02-002-(0-0.5)	Bis(2-Ethylhexyl)phthalate	U	equipment blank contamination (2.21 JB ug/L), result is between SDL and SQL

QUALIFIED DATA TABLE

NA2SE02-002-(0-0.5)	Chrysene	J	result is between SDL and SQL
NA2SE02-002-(0-0.5)	Dibenz(a,h)anthracene	UJ	low MS/MSD ave recovery (56.5%)
NA2SE02-002-(0-0.5)	Hexachlorocyclopentadiene	UJ	low LCS/LCSD ave recovery (48.5%)
NA2SE02-002-(0-0.5)	Hexachloroethane	UJ	low LCS/LCSD ave recovery (53%), low MS/MSD ave recovery (59.5%)
NA2SE02-002-(0-0.5)	Indeno(1,2,3-cd)pyrene	J	result is between SDL and SQL
NA2SE02-002-(0-0.5)	n-Nitrosodimethylamine	UJ	low LCS/LCSD ave recovery (56%), poor calibration fit (%RSD=25)
NA2SE02-002-(0-0.5)	n-Nitrosodi-n-propylamine	UJ	poor calibration fit (%RSD=21)
NA2SE02-002-(0-0.5)	Pentachlorophenol	UJ	low LCS/LCSD ave recovery (56%)
NA2SE02-002-(0-0.5)	Phenol	UJ	poor calibration fit (%RSD=16)
NA2SE02-002-(0-0.5)	Pyrene	J	result is between SDL and SQL, low MS/MSD ave recovery (57.5%)
NA2SE02-002-(0-0.5)	Pyridine	UJ	poor calibration fit (%RSD=27), low LCS/LCSD ave recovery (56%)
NA3SE03-003-(0-0.5)	Antimony	J	result is between SDL and SQL, extremely low MS/MSD ave recovery (25.5%)
NA3SE03-003-(0-0.5)	Boron	J-	low MS/MSD ave recovery (45%)
NA3SE03-003-(0-0.5)	Manganese	J	poor MS/MSD precision (34 RPD)
NA3SE03-003-(0-0.5)	Molybdenum	J	result is between SDL and SQL, low MS/MSD ave recovery (62%)
NA3SE03-003-(0-0.5)	Selenium	UJ	low MS/MSD ave recovery (68.5%)
NA3SE03-003-(0-0.5)	Titanium	J	poor MS/MSD precision (32 RPD)
NA3SE03-003-(0-0.5)	Mercury	U	laboratory blank contamination (0.0046 B mg/kg)
NA3SE03-003-(0-0.5)	4,4'-DDT	J	result is between SDL and SQL; calibration drift column 1 (%D= 16); calibration drift column 1 (%D= -34); calibration drift column 2 (%D= 22)
NA3SE03-003-(0-0.5)	Endosulfan I	UJ	low LCS/LCSD ave recovery (50%); low MS/MSD ave recovery (56.5%)
NA3SE03-003-(0-0.5)	Endosulfan II	UJ	low MS/MSD ave recovery (57%)
NA3SE03-003-(0-0.5)	Endrin	J	result is between SDL and SQL; calibration drift column 2 (%D= 24)
NA3SE03-003-(0-0.5)	Aroclor-1016	UJ	low MS/MSD ave recovery (54.5%)
NA3SE03-003-(0-0.5)	2-Butanone	UJ	poor calibration fit (%RSD=27)
NA3SE03-003-(0-0.5)	Acrolein	UJ	low MS/MSD ave recovery (11%)
NA3SE03-003-(0-0.5)	Acrylonitrile	UJ	poor calibration fit (%RSD=19)
NA3SE03-003-(0-0.5)	Methylene chloride	U	laboratory blank contamination (4.19 J ug/Kg); field blank contamination (5.48 JB ug/L); equipment blank contamination (5.89 JB ug/L); trip blank contamination (6.28 JB ug/L); result is between SDL and SQL
NA3SE03-003-(0-0.5)	Naphthalene	U	laboratory blank contamination (3.35 J ug/Kg); result is between SDL and SQL
NA3SE03-003-(0-0.5)	Vinyl acetate	UJ	low MS/MSD ave recovery (20.5%)
NA3SE03-003-(0-0.5)	2,4-Dinitrophenol	UJ	low LCS/LCSD ave recovery (35%), low MS/MSD ave recovery (52.5%)
NA3SE03-003-(0-0.5)	4,6-Dinitro-2-methylphenol	UJ	low LCS/LCSD ave recovery (51.5%)
NA3SE03-003-(0-0.5)	4-Chloroaniline	UJ	low MS/MSD ave recovery (46%)
NA3SE03-003-(0-0.5)	4-Nitrophenol	UJ	low LCS/LCSD ave recovery (45.5%)
NA3SE03-003-(0-0.5)	Aniline	UJ	low MS/MSD ave recovery (50%)
NA3SE03-003-(0-0.5)	Benzaldehyde	UJ	poor calibration fit (%RSD=66)
NA3SE03-003-(0-0.5)	Benzidine	UJ	poor calibration fit (%RSD=49), low LCS/LCSD ave recovery (45.5%), low MS/MSD ave recovery (10%)
NA3SE03-003-(0-0.5)	Benzo(a)pyrene	UJ	poor calibration fit (%RSD=17)
NA3SE03-003-(0-0.5)	Benzo(b)fluoranthene	J	result is between SDL and SQL
NA3SE03-003-(0-0.5)	Benzo(g,h,i)perylene	J	result is between SDL and SQL, low MS/MSD ave recovery (45%)
NA3SE03-003-(0-0.5)	Benzoic acid	UJ	low LCS/LCSD ave recovery (48.5%), low MS/MSD ave recovery (33.5%)

QUALIFIED DATA TABLE

NA3SE03-003-(0-0.5)	Bis(2-Ethylhexyl)phthalate	U	equipment blank contamination (2.21 JB ug/L), result is between SDL and SQL
NA3SE03-003-(0-0.5)	Chrysene	J	result is between SDL and SQL
NA3SE03-003-(0-0.5)	Dibenz(a,h)anthracene	UJ	low MS/MSD ave recovery (56.5%)
NA3SE03-003-(0-0.5)	Di-n-octyl phthalate	J	result is between SDL and SQL
NA3SE03-003-(0-0.5)	Fluoranthene	J	result is between SDL and SQL
NA3SE03-003-(0-0.5)	Hexachlorocyclopentadiene	UJ	low LCS/LCSD ave recovery (48.5%)
NA3SE03-003-(0-0.5)	Hexachloroethane	UJ	low LCS/LCSD ave recovery (53%), low MS/MSD ave recovery (59.5%)
NA3SE03-003-(0-0.5)	Indeno(1,2,3-cd)pyrene	J	result is between SDL and SQL
NA3SE03-003-(0-0.5)	n-Nitrosodimethylamine	UJ	low LCS/LCSD ave recovery (56%), poor calibration fit (%RSD=25)
NA3SE03-003-(0-0.5)	n-Nitrosodi-n-propylamine	UJ	poor calibration fit (%RSD=21)
NA3SE03-003-(0-0.5)	Pentachlorophenol	UJ	low LCS/LCSD ave recovery (56%)
NA3SE03-003-(0-0.5)	Phenol	UJ	poor calibration fit (%RSD=16)
NA3SE03-003-(0-0.5)	Pyrene	J	result is between SDL and SQL, low MS/MSD ave recovery (57.5%)
NA3SE03-003-(0-0.5)	Pyridine	UJ	poor calibration fit (%RSD=27), low LCS/LCSD ave recovery (56%)
NA4SE04-004-(0-0.5)	Antimony	J	result is between SDL and SQL, extremely low MS/MSD ave recovery (25.5%)
NA4SE04-004-(0-0.5)	Boron	J-	low MS/MSD ave recovery (45%)
NA4SE04-004-(0-0.5)	Manganese	J	poor MS/MSD precision (34 RPD)
NA4SE04-004-(0-0.5)	Molybdenum	J	result is between SDL and SQL, low MS/MSD ave recovery (62%)
NA4SE04-004-(0-0.5)	Selenium	UJ	low MS/MSD ave recovery (68.5%)
NA4SE04-004-(0-0.5)	Titanium	J	poor MS/MSD precision (32 RPD)
NA4SE04-004-(0-0.5)	Mercury	U	laboratory blank contamination (0.0046 B mg/kg)
NA4SE04-004-(0-0.5)	4,4'-DDT	J	calibration drift column 1 (%D= 16); calibration drift column 1 (%D= -34); calibration drift column 2 (%D= 22)
NA4SE04-004-(0-0.5)	Endosulfan I	UJ	low LCS/LCSD ave recovery (50%); low MS/MSD ave recovery (56.5%)
NA4SE04-004-(0-0.5)	Endosulfan II	UJ	low MS/MSD ave recovery (57%)
NA4SE04-004-(0-0.5)	Endrin aldehyde	J	result is between SDL and SQL
NA4SE04-004-(0-0.5)	Aroclor-1016	UJ	low MS/MSD ave recovery (54.5%)
NA4SE04-004-(0-0.5)	2-Butanone	UJ	poor calibration fit (%RSD=27)
NA4SE04-004-(0-0.5)	Acrolein	UJ	low MS/MSD ave recovery (11%)
NA4SE04-004-(0-0.5)	Acrylonitrile	UJ	poor calibration fit (%RSD=19)
NA4SE04-004-(0-0.5)	Methylene chloride	U	laboratory blank contamination (4.19 J ug/Kg); field blank contamination (5.48 JB ug/L); equipment blank contamination (5.89 JB ug/L); trip blank contamination (6.28 JB ug/L); result is between SDL and SQL
NA4SE04-004-(0-0.5)	Naphthalene	U	laboratory blank contamination (3.35 J ug/Kg); result is between SDL and SQL
NA4SE04-004-(0-0.5)	Vinyl acetate	UJ	low MS/MSD ave recovery (20.5%)
NA4SE04-004-(0-0.5)	2,4-Dinitrophenol	UJ	low LCS/LCSD ave recovery (35%), low MS/MSD ave recovery (52.5%)
NA4SE04-004-(0-0.5)	4,6-Dinitro-2-methylphenol	UJ	low LCS/LCSD ave recovery (51.5%)
NA4SE04-004-(0-0.5)	4-Chloroaniline	UJ	low MS/MSD ave recovery (46%)
NA4SE04-004-(0-0.5)	4-Nitrophenol	UJ	low LCS/LCSD ave recovery (45.5%)
NA4SE04-004-(0-0.5)	Aniline	UJ	low MS/MSD ave recovery (50%)
NA4SE04-004-(0-0.5)	Benzaldehyde	UJ	poor calibration fit (%RSD=66)
NA4SE04-004-(0-0.5)	Benzidine	UJ	poor calibration fit (%RSD=49), low LCS/LCSD ave recovery (45.5%), low MS/MSD ave recovery (10%)
NA4SE04-004-(0-0.5)	Benzo(a)pyrene	J	poor calibration fit (%RSD=17)
NA4SE04-004-(0-0.5)	Benzo(b)fluoranthene	J	result is between SDL and SQL
NA4SE04-004-(0-0.5)	Benzo(g,h,i)perylene	J	result is between SDL and SQL, low MS/MSD ave recovery (45%)

QUALIFIED DATA TABLE

NA4SE04-004-(0-0.5)	Benzo(k)fluoranthene	J	result is between SDL and SQL
NA4SE04-004-(0-0.5)	Benzoic acid	UJ	low LCS/LCSD ave recovery (48.5%), low MS/MSD ave recovery (33.5%)
NA4SE04-004-(0-0.5)	Bis(2-Ethylhexyl)phthalate	U	equipment blank contamination (2.21 JB ug/L), result is between SDL and SQL
NA4SE04-004-(0-0.5)	Chrysene	J	result is between SDL and SQL
NA4SE04-004-(0-0.5)	Dibenz(a,h)anthracene	U	equipment blank contamination (1.05 J ug/L), result is between SDL and SQL, low MS/MSD ave recovery (56.5%)
NA4SE04-004-(0-0.5)	Fluoranthene	J	result is between SDL and SQL
NA4SE04-004-(0-0.5)	Hexachlorocyclopentadiene	UJ	low LCS/LCSD ave recovery (48.5%)
NA4SE04-004-(0-0.5)	Hexachloroethane	UJ	low LCS/LCSD ave recovery (53%), low MS/MSD ave recovery (59.5%)
NA4SE04-004-(0-0.5)	Indeno(1,2,3-cd)pyrene	J	result is between SDL and SQL
NA4SE04-004-(0-0.5)	n-Nitrosodimethylamine	UJ	low LCS/LCSD ave recovery (56%), poor calibration fit (%RSD=25)
NA4SE04-004-(0-0.5)	n-Nitrosodi-n-propylamine	UJ	poor calibration fit (%RSD=21)
NA4SE04-004-(0-0.5)	Pentachlorophenol	UJ	low LCS/LCSD ave recovery (56%)
NA4SE04-004-(0-0.5)	Phenol	UJ	poor calibration fit (%RSD=16)
NA4SE04-004-(0-0.5)	Pyrene	J	result is between SDL and SQL, low MS/MSD ave recovery (57.5%)
NA4SE04-004-(0-0.5)	Pyridine	UJ	poor calibration fit (%RSD=27), low LCS/LCSD ave recovery (56%)
NB1SE05-005-(0-0.5)	Antimony	J	result is between SDL and SQL, extremely low MS/MSD ave recovery (19%)
NB1SE05-005-(0-0.5)	Boron	J-	low MS/MSD ave recovery (67%)
NB1SE05-005-(0-0.5)	Molybdenum	J	result is between SDL and SQL, low MS/MSD ave recovery (62.5%)
NB1SE05-005-(0-0.5)	Mercury	U	laboratory blank contamination (0.0026 B mg/kg)
NB1SE05-005-(0-0.5)	4,4'-DDT	J	result is between SDL and SQL; calibration drift column 1 (%D= 17); calibration drift column 1 (%D= 30); calibration drift column 2 (%D= 16)
NB1SE05-005-(0-0.5)	Endosulfan I	UJ	low LCS/LCSD ave recovery (50%); low MS/MSD ave recovery (56.5%)
NB1SE05-005-(0-0.5)	Endosulfan II	UJ	low MS/MSD ave recovery (57%)
NB1SE05-005-(0-0.5)	Aroclor-1016	UJ	low MS/MSD ave recovery (54.5%)
NB1SE05-005-(0-0.5)	2-Butanone	UJ	poor calibration fit (%RSD=27)
NB1SE05-005-(0-0.5)	Acetone	J	result is between SDL and SQL; calibration drift (%D= 32)
NB1SE05-005-(0-0.5)	Acrolein	UJ	low MS/MSD ave recovery (11%)
NB1SE05-005-(0-0.5)	Acrylonitrile	UJ	poor calibration fit (%RSD=19)
NB1SE05-005-(0-0.5)	Methylene chloride	U	laboratory blank contamination (4.19 J ug/Kg); field blank contamination (5.48 JB ug/L); equipment blank contamination (5.89 JB ug/L); trip blank contamination (6.28 JB ug/L); result is between SDL and SQL
NB1SE05-005-(0-0.5)	Vinyl acetate	UJ	low MS/MSD ave recovery (20.5%)
NB1SE05-005-(0-0.5)	2,4-Dinitrophenol	UJ	low LCS/LCSD ave recovery (35%), low MS/MSD ave recovery (52.5%)
NB1SE05-005-(0-0.5)	4,6-Dinitro-2-methylphenol	UJ	low LCS/LCSD ave recovery (51.5%)
NB1SE05-005-(0-0.5)	4-Chloroaniline	UJ	low MS/MSD ave recovery (46%)
NB1SE05-005-(0-0.5)	4-Nitrophenol	UJ	low LCS/LCSD ave recovery (45.5%)
NB1SE05-005-(0-0.5)	Aniline	UJ	low MS/MSD ave recovery (50%)
NB1SE05-005-(0-0.5)	Benzaldehyde	UJ	poor calibration fit (%RSD=66)
NB1SE05-005-(0-0.5)	Benzidine	UJ	poor calibration fit (%RSD=49), low LCS/LCSD ave recovery (45.5%), low MS/MSD ave recovery (10%)
NB1SE05-005-(0-0.5)	Benzo(a)pyrene	J	result is between SDL and SQL, poor calibration fit (%RSD=17)
NB1SE05-005-(0-0.5)	Benzo(b)fluoranthene	J	result is between SDL and SQL
NB1SE05-005-(0-0.5)	Benzo(g,h,i)perylene	J	result is between SDL and SQL, low MS/MSD ave recovery (45%)
NB1SE05-005-(0-0.5)	Benzo(k)fluoranthene	J	result is between SDL and SQL

QUALIFIED DATA TABLE

NB1SE05-005-(0-0.5)	Benzoic acid	UJ	low LCS/LCSD ave recovery (48.5%), low MS/MSD ave recovery (33.5%)
NB1SE05-005-(0-0.5)	Bis(2-Ethylhexyl)phthalate	U	equipment blank contamination (2.21 JB ug/L), result is between SDL and SQL
NB1SE05-005-(0-0.5)	Chrysene	J	result is between SDL and SQL
NB1SE05-005-(0-0.5)	Dibenz(a,h)anthracene	UJ	low MS/MSD ave recovery (56.5%)
NB1SE05-005-(0-0.5)	Di-n-octyl phthalate	J	result is between SDL and SQL
NB1SE05-005-(0-0.5)	Hexachlorocyclopentadiene	UJ	low LCS/LCSD ave recovery (48.5%)
NB1SE05-005-(0-0.5)	Hexachloroethane	UJ	low LCS/LCSD ave recovery (53%), low MS/MSD ave recovery (59.5%)
NB1SE05-005-(0-0.5)	Indeno(1,2,3-cd)pyrene	J	result is between SDL and SQL
NB1SE05-005-(0-0.5)	n-Nitrosodimethylamine	UJ	low LCS/LCSD ave recovery (56%), poor calibration fit (%RSD=25)
NB1SE05-005-(0-0.5)	n-Nitrosodi-n-propylamine	UJ	poor calibration fit (%RSD=21)
NB1SE05-005-(0-0.5)	Pentachlorophenol	UJ	low LCS/LCSD ave recovery (56%)
NB1SE05-005-(0-0.5)	Phenol	UJ	poor calibration fit (%RSD=16)
NB1SE05-005-(0-0.5)	Pyrene	J	result is between SDL and SQL, low MS/MSD ave recovery (57.5%)
NB1SE05-005-(0-0.5)	Pyridine	UJ	poor calibration fit (%RSD=27), low LCS/LCSD ave recovery (56%)
NB2SE06-006-(0-0.5)	Antimony	J	result is between SDL and SQL, extremely low MS/MSD ave recovery (19%)
NB2SE06-006-(0-0.5)	Boron	J-	low MS/MSD ave recovery (67%)
NB2SE06-006-(0-0.5)	Molybdenum	J	result is between SDL and SQL, low MS/MSD ave recovery (62.5%)
NB2SE06-006-(0-0.5)	Mercury	U	laboratory blank contamination (0.0026 B mg/kg)
NB2SE06-006-(0-0.5)	Endosulfan I	UJ	low LCS/LCSD ave recovery (50%); low MS/MSD ave recovery (56.5%)
NB2SE06-006-(0-0.5)	Endosulfan II	UJ	low MS/MSD ave recovery (57%)
NB2SE06-006-(0-0.5)	Aroclor-1016	UJ	low MS/MSD ave recovery (54.5%)
NB2SE06-006-(0-0.5)	2-Butanone	UJ	poor calibration fit (%RSD=27)
NB2SE06-006-(0-0.5)	Acetone	U	laboratory blank contamination (10.1 J ug/Kg); calibration drift (%D= 41); high LCS/LCSD ave recovery (156%); result is between SDL and SQL
NB2SE06-006-(0-0.5)	Acrolein	UJ	low MS/MSD ave recovery (11%)
NB2SE06-006-(0-0.5)	Acrylonitrile	UJ	poor calibration fit (%RSD=19)
NB2SE06-006-(0-0.5)	Methylene chloride	U	laboratory blank contamination (2.15 J ug/Kg); field blank contamination (5.48 JB ug/L); equipment blank contamination (5.89 JB ug/L); trip blank contamination (6.28 JB ug/L); result is between SDL and SQL
NB2SE06-006-(0-0.5)	Vinyl acetate	UJ	low MS/MSD ave recovery (20.5%)
NB2SE06-006-(0-0.5)	1,2Diphenylhydrazine/Azob enzen	UJ	low base/neutral SU recovery (58%), low base/neutral SU recovery (58%)
NB2SE06-006-(0-0.5)	2,4-Dinitrophenol	UJ	low LCS/LCSD ave recovery (35%), low MS/MSD ave recovery (52.5%)
NB2SE06-006-(0-0.5)	2,4-Dinitrotoluene	UJ	low base/neutral SU recovery (58%), low base/neutral SU recovery (58%)
NB2SE06-006-(0-0.5)	2,6-Dinitrotoluene	UJ	low base/neutral SU recovery (58%), low base/neutral SU recovery (58%)
NB2SE06-006-(0-0.5)	2-Chloronaphthalene	UJ	low base/neutral SU recovery (58%), low base/neutral SU recovery (58%)
NB2SE06-006-(0-0.5)	2-Methylnaphthalene	UJ	low base/neutral SU recovery (58%), low base/neutral SU recovery (58%)
NB2SE06-006-(0-0.5)	2-Nitroaniline	UJ	low base/neutral SU recovery (58%), low base/neutral SU recovery (58%)
NB2SE06-006-(0-0.5)	3,3'-Dichlorobenzidine	UJ	low base/neutral SU recovery (58%), low base/neutral SU recovery (58%)
NB2SE06-006-(0-0.5)	3-Nitroaniline	UJ	low base/neutral SU recovery (58%), low base/neutral SU recovery (58%)
NB2SE06-006-(0-0.5)	4,6-Dinitro-2-methylphenol	UJ	low LCS/LCSD ave recovery (51.5%)

QUALIFIED DATA TABLE

NB2SE06-006-(0-0.5)	4-Bromophenyl phenyl ether	UJ	low base/neutral SU recovery (58%), low base/neutral SU recovery (58%)
NB2SE06-006-(0-0.5)	4-Chloroaniline	UJ	low MS/MSD ave recovery (46%), low base/neutral SU recovery (58%), low base/neutral SU recovery (58%)
NB2SE06-006-(0-0.5)	4-Chlorophenyl phenyl ether	UJ	low base/neutral SU recovery (58%), low base/neutral SU recovery (58%)
NB2SE06-006-(0-0.5)	4-Nitroaniline	UJ	low base/neutral SU recovery (58%), low base/neutral SU recovery (58%)
NB2SE06-006-(0-0.5)	4-Nitrophenol	UJ	low LCS/LCSD ave recovery (45.5%)
NB2SE06-006-(0-0.5)	Acenaphthene	UJ	low base/neutral SU recovery (58%), low base/neutral SU recovery (58%)
NB2SE06-006-(0-0.5)	Acenaphthylene	UJ	low base/neutral SU recovery (58%), low base/neutral SU recovery (58%)
NB2SE06-006-(0-0.5)	Acetophenone	UJ	low base/neutral SU recovery (58%), low base/neutral SU recovery (58%)
NB2SE06-006-(0-0.5)	Aniline	UJ	low MS/MSD ave recovery (50%), low base/neutral SU recovery (58%), low base/neutral SU recovery (58%)
NB2SE06-006-(0-0.5)	Anthracene	UJ	low base/neutral SU recovery (58%), low base/neutral SU recovery (58%)
NB2SE06-006-(0-0.5)	Atrazine (Aatrex)	UJ	low base/neutral SU recovery (58%), low base/neutral SU recovery (58%)
NB2SE06-006-(0-0.5)	Benzaldehyde	UJ	poor calibration fit (%RSD=66), low base/neutral SU recovery (58%), low base/neutral SU recovery (58%)
NB2SE06-006-(0-0.5)	Benzidine	UJ	poor calibration fit (%RSD=49), low LCS/LCSD ave recovery (45.5%), low MS/MSD ave recovery (10%), low base/neutral SU recovery (58%), low base/neutral SU recovery (58%)
NB2SE06-006-(0-0.5)	Benzo(a)anthracene	UJ	low base/neutral SU recovery (58%), low base/neutral SU recovery (58%)
NB2SE06-006-(0-0.5)	Benzo(a)pyrene	UJ	poor calibration fit (%RSD=17), low base/neutral SU recovery (58%), low base/neutral SU recovery (58%)
NB2SE06-006-(0-0.5)	Benzo(b)fluoranthene	J	result is between SDL and SQL, low base/neutral SU recovery (58%), low base/neutral SU recovery (58%)
NB2SE06-006-(0-0.5)	Benzo(g,h,i)perylene	J	result is between SDL and SQL, low MS/MSD ave recovery (45%), low base/neutral SU recovery (58%), low base/neutral SU recovery (58%)
NB2SE06-006-(0-0.5)	Benzo(k)fluoranthene	J	result is between SDL and SQL, low base/neutral SU recovery (58%), low base/neutral SU recovery (58%)
NB2SE06-006-(0-0.5)	Benzoic acid	UJ	low LCS/LCSD ave recovery (48.5%), low MS/MSD ave recovery (33.5%), low base/neutral SU recovery (58%), low base/neutral SU recovery (58%)
NB2SE06-006-(0-0.5)	Benzyl alcohol	UJ	low base/neutral SU recovery (58%), low base/neutral SU recovery (58%)
NB2SE06-006-(0-0.5)	Biphenyl	UJ	low base/neutral SU recovery (58%), low base/neutral SU recovery (58%)
NB2SE06-006-(0-0.5)	Bis(2-Chloroethoxy)methane	UJ	low base/neutral SU recovery (58%), low base/neutral SU recovery (58%)
NB2SE06-006-(0-0.5)	Bis(2-Chloroethyl)ether	UJ	low base/neutral SU recovery (58%), low base/neutral SU recovery (58%)
NB2SE06-006-(0-0.5)	Bis(2-Chloroisopropyl)ether	UJ	low base/neutral SU recovery (58%), low base/neutral SU recovery (58%)
NB2SE06-006-(0-0.5)	Bis(2-Ethylhexyl)phthalate	U	equipment blank contamination (2.21 JB ug/L), result is between SDL and SQL, low base/neutral SU recovery (58%), low base/neutral SU recovery (58%)
NB2SE06-006-(0-0.5)	Butyl benzyl phthalate	UJ	low base/neutral SU recovery (58%), low base/neutral SU recovery (58%)
NB2SE06-006-(0-0.5)	Caprolactam	UJ	low base/neutral SU recovery (58%), low base/neutral SU recovery (58%)
NB2SE06-006-(0-0.5)	Carbazole	UJ	low base/neutral SU recovery (58%), low base/neutral SU recovery (58%)
NB2SE06-006-(0-0.5)	Chrysene	UJ	low base/neutral SU recovery (58%), low base/neutral SU recovery (58%)
NB2SE06-006-(0-0.5)	Dibenz(a,h)anthracene	UJ	low MS/MSD ave recovery (56.5%), low base/neutral SU recovery (58%), low base/neutral SU recovery (58%)

QUALIFIED DATA TABLE

NB2SE06-006-(0-0.5)	Dibenzofuran	UJ	low base/neutral SU recovery (58%), low base/neutral SU recovery (58%)
NB2SE06-006-(0-0.5)	Diethyl phthalate	UJ	low base/neutral SU recovery (58%), low base/neutral SU recovery (58%)
NB2SE06-006-(0-0.5)	Dimethyl phthalate	UJ	low base/neutral SU recovery (58%), low base/neutral SU recovery (58%)
NB2SE06-006-(0-0.5)	Di-n-butyl phthalate	UJ	low base/neutral SU recovery (58%), low base/neutral SU recovery (58%)
NB2SE06-006-(0-0.5)	Di-n-octyl phthalate	UJ	low base/neutral SU recovery (58%), low base/neutral SU recovery (58%)
NB2SE06-006-(0-0.5)	Fluoranthene	UJ	low base/neutral SU recovery (58%), low base/neutral SU recovery (58%)
NB2SE06-006-(0-0.5)	Fluorene	UJ	low base/neutral SU recovery (58%), low base/neutral SU recovery (58%)
NB2SE06-006-(0-0.5)	Hexachlorobenzene	UJ	low base/neutral SU recovery (58%), low base/neutral SU recovery (58%)
NB2SE06-006-(0-0.5)	Hexachlorocyclopentadiene	UJ	low LCS/LCSD ave recovery (48.5%), low base/neutral SU recovery (58%), low base/neutral SU recovery (58%)
NB2SE06-006-(0-0.5)	Hexachloroethane	UJ	low LCS/LCSD ave recovery (53%), low MS/MSD ave recovery (59.5%), low base/neutral SU recovery (58%), low base/neutral SU recovery (58%)
NB2SE06-006-(0-0.5)	Indeno(1,2,3-cd)pyrene	J	result is between SDL and SQL, low base/neutral SU recovery (58%), low base/neutral SU recovery (58%)
NB2SE06-006-(0-0.5)	Isophorone	UJ	low base/neutral SU recovery (58%), low base/neutral SU recovery (58%)
NB2SE06-006-(0-0.5)	Nitrobenzene	UJ	low base/neutral SU recovery (58%), low base/neutral SU recovery (58%)
NB2SE06-006-(0-0.5)	n-Nitrosodimethylamine	UJ	low LCS/LCSD ave recovery (56%), poor calibration fit (%RSD=25), low base/neutral SU recovery (58%), low base/neutral SU recovery (58%)
NB2SE06-006-(0-0.5)	n-Nitrosodi-n-propylamine	UJ	poor calibration fit (%RSD=21), low base/neutral SU recovery (58%), low base/neutral SU recovery (58%)
NB2SE06-006-(0-0.5)	n-Nitrosodiphenylamine	UJ	low base/neutral SU recovery (58%), low base/neutral SU recovery (58%)
NB2SE06-006-(0-0.5)	Pentachlorophenol	UJ	low LCS/LCSD ave recovery (56%)
NB2SE06-006-(0-0.5)	Phenanthrene	UJ	low base/neutral SU recovery (58%), low base/neutral SU recovery (58%)
NB2SE06-006-(0-0.5)	Phenol	UJ	poor calibration fit (%RSD=16)
NB2SE06-006-(0-0.5)	Pyrene	UJ	low MS/MSD ave recovery (57.5%), low base/neutral SU recovery (58%), low base/neutral SU recovery (58%)
NB2SE06-006-(0-0.5)	Pyridine	UJ	poor calibration fit (%RSD=27), low LCS/LCSD ave recovery (56%), low base/neutral SU recovery (58%), low base/neutral SU recovery (58%)
NB3SE07-007-(0-0.5)	Antimony	J	result is between SDL and SQL, extremely low MS/MSD ave recovery (25.5%)
NB3SE07-007-(0-0.5)	Boron	J-	low MS/MSD ave recovery (45%)
NB3SE07-007-(0-0.5)	Manganese	J	poor MS/MSD precision (34 RPD)
NB3SE07-007-(0-0.5)	Molybdenum	J	result is between SDL and SQL, low MS/MSD ave recovery (62%)
NB3SE07-007-(0-0.5)	Selenium	UJ	low MS/MSD ave recovery (68.5%)
NB3SE07-007-(0-0.5)	Titanium	J	poor MS/MSD precision (32 RPD)
NB3SE07-007-(0-0.5)	Mercury	U	laboratory blank contamination (0.0046 B mg/kg)
NB3SE07-007-(0-0.5)	4,4'-DDT	J	result is between SDL and SQL; calibration drift column 1 (%D= 16); calibration drift column 1 (%D= -34); calibration drift column 2 (%D= 22)
NB3SE07-007-(0-0.5)	Endosulfan I	UJ	low LCS/LCSD ave recovery (50%); low MS/MSD ave recovery (56.5%)
NB3SE07-007-(0-0.5)	Endosulfan II	UJ	low MS/MSD ave recovery (57%)
NB3SE07-007-(0-0.5)	Aroclor-1016	UJ	low MS/MSD ave recovery (54.5%)
NB3SE07-007-(0-0.5)	2-Butanone	UJ	poor calibration fit (%RSD=27)
NB3SE07-007-(0-0.5)	Acrolein	UJ	low MS/MSD ave recovery (11%)

QUALIFIED DATA TABLE

NB3SE07-007-(0-0.5)	Acrylonitrile	UJ	poor calibration fit (%RSD=19)
NB3SE07-007-(0-0.5)	Methylene chloride	U	laboratory blank contamination (4.19 J ug/Kg); field blank contamination (5.48 JB ug/L); equipment blank contamination (5.89 JB ug/L); trip blank contamination (6.28 JB ug/L); result is between SDL and SQL
NB3SE07-007-(0-0.5)	Naphthalene	U	laboratory blank contamination (3.35 J ug/Kg); result is between SDL and SQL
NB3SE07-007-(0-0.5)	Vinyl acetate	UJ	low MS/MSD ave recovery (20.5%)
NB3SE07-007-(0-0.5)	2,4-Dinitrophenol	UJ	low LCS/LCSD ave recovery (35%), low MS/MSD ave recovery (52.5%)
NB3SE07-007-(0-0.5)	4,6-Dinitro-2-methylphenol	UJ	low LCS/LCSD ave recovery (51.5%)
NB3SE07-007-(0-0.5)	4-Chloroaniline	UJ	low MS/MSD ave recovery (46%)
NB3SE07-007-(0-0.5)	4-Nitrophenol	UJ	low LCS/LCSD ave recovery (45.5%)
NB3SE07-007-(0-0.5)	Aniline	UJ	low MS/MSD ave recovery (50%)
NB3SE07-007-(0-0.5)	Benzaldehyde	UJ	poor calibration fit (%RSD=66)
NB3SE07-007-(0-0.5)	Benzidine	UJ	poor calibration fit (%RSD=49), low LCS/LCSD ave recovery (45.5%), low MS/MSD ave recovery (10%)
NB3SE07-007-(0-0.5)	Benzo(a)pyrene	J	result is between SDL and SQL, poor calibration fit (%RSD=17)
NB3SE07-007-(0-0.5)	Benzo(b)fluoranthene	J	result is between SDL and SQL
NB3SE07-007-(0-0.5)	Benzo(g,h,i)perylene	J	result is between SDL and SQL, low MS/MSD ave recovery (45%)
NB3SE07-007-(0-0.5)	Benzo(k)fluoranthene	J	result is between SDL and SQL
NB3SE07-007-(0-0.5)	Benzoic acid	UJ	low LCS/LCSD ave recovery (48.5%), low MS/MSD ave recovery (33.5%)
NB3SE07-007-(0-0.5)	Bis(2-Ethylhexyl)phthalate	U	equipment blank contamination (2.21 JB ug/L), result is between SDL and SQL
NB3SE07-007-(0-0.5)	Chrysene	J	result is between SDL and SQL
NB3SE07-007-(0-0.5)	Dibenz(a,h)anthracene	U	equipment blank contamination (1.05 J ug/L), result is between SDL and SQL, low MS/MSD ave recovery (56.5%)
NB3SE07-007-(0-0.5)	Fluoranthene	J	result is between SDL and SQL
NB3SE07-007-(0-0.5)	Hexachlorocyclopentadiene	UJ	low LCS/LCSD ave recovery (48.5%)
NB3SE07-007-(0-0.5)	Hexachloroethane	UJ	low LCS/LCSD ave recovery (53%), low MS/MSD ave recovery (59.5%)
NB3SE07-007-(0-0.5)	Indeno(1,2,3-cd)pyrene	J	result is between SDL and SQL
NB3SE07-007-(0-0.5)	n-Nitrosodimethylamine	UJ	low LCS/LCSD ave recovery (56%), poor calibration fit (%RSD=25)
NB3SE07-007-(0-0.5)	n-Nitrosodi-n-propylamine	UJ	poor calibration fit (%RSD=21)
NB3SE07-007-(0-0.5)	Pentachlorophenol	UJ	low LCS/LCSD ave recovery (56%)
NB3SE07-007-(0-0.5)	Phenanthrene	J	result is between SDL and SQL
NB3SE07-007-(0-0.5)	Phenol	UJ	poor calibration fit (%RSD=16)
NB3SE07-007-(0-0.5)	Pyrene	J	result is between SDL and SQL, low MS/MSD ave recovery (57.5%)
NB3SE07-007-(0-0.5)	Pyridine	UJ	poor calibration fit (%RSD=27), low LCS/LCSD ave recovery (56%)
NB4SE08-008-(0-0.5)	Antimony	J	result is between SDL and SQL, extremely low MS/MSD ave recovery (19%)
NB4SE08-008-(0-0.5)	Boron	J-	low MS/MSD ave recovery (67%)
NB4SE08-008-(0-0.5)	Molybdenum	J-	low MS/MSD ave recovery (62.5%)
NB4SE08-008-(0-0.5)	4,4'-DDE	J	result is between SDL and SQL
NB4SE08-008-(0-0.5)	4,4'-DDT	J+	calibration drift column 1 (%D= 26); calibration drift column 2 (%D= 23)
NB4SE08-008-(0-0.5)	Endosulfan I	J	result is between SDL and SQL; (laboratory E-flag carried from second column analysis, hardcopy has J only); low LCS/LCSD ave recovery (50%); low MS/MSD ave recovery (56.5%)
NB4SE08-008-(0-0.5)	Endosulfan II	J-	low MS/MSD ave recovery (57%)
NB4SE08-008-(0-0.5)	Aroclor-1016	UJ	low MS/MSD ave recovery (54.5%)
NB4SE08-008-(0-0.5)	2-Butanone	UJ	poor calibration fit (%RSD=27)

QUALIFIED DATA TABLE

NB4SE08-008-(0-0.5)	Acetone	U	laboratory blank contamination (10.1 J ug/Kg); calibration drift (%D= 41); high LCS/LCSD ave recovery (156%); result is between SDL and SQL
NB4SE08-008-(0-0.5)	Acrolein	UJ	low MS/MSD ave recovery (11%)
NB4SE08-008-(0-0.5)	Acrylonitrile	UJ	poor calibration fit (%RSD=19)
NB4SE08-008-(0-0.5)	m,p-Xylene	J	result is between SDL and SQL
NB4SE08-008-(0-0.5)	Methylene chloride	U	laboratory blank contamination (2.15 J ug/Kg); field blank contamination (5.48 JB ug/L); equipment blank contamination (5.89 JB ug/L); trip blank contamination (6.28 JB ug/L); result is between SDL and SQL
NB4SE08-008-(0-0.5)	Naphthalene	U	laboratory blank contamination (3.31 J ug/Kg); result is between SDL and SQL
NB4SE08-008-(0-0.5)	Vinyl acetate	UJ	low MS/MSD ave recovery (20.5%)
NB4SE08-008-(0-0.5)	Xylene (total)	J	result is between SDL and SQL
NB4SE08-008-(0-0.5)	2,4-Dinitrophenol	UJ	low LCS/LCSD ave recovery (35%), low MS/MSD ave recovery (52.5%)
NB4SE08-008-(0-0.5)	2-Methylnaphthalene	J	result is between SDL and SQL
NB4SE08-008-(0-0.5)	4,6-Dinitro-2-methylphenol	UJ	low LCS/LCSD ave recovery (51.5%)
NB4SE08-008-(0-0.5)	4-Chloroaniline	UJ	low MS/MSD ave recovery (46%)
NB4SE08-008-(0-0.5)	4-Nitrophenol	UJ	low LCS/LCSD ave recovery (45.5%)
NB4SE08-008-(0-0.5)	Acenaphthylene	J	result is between SDL and SQL
NB4SE08-008-(0-0.5)	Acetophenone	J	result is between SDL and SQL
NB4SE08-008-(0-0.5)	Aniline	UJ	low MS/MSD ave recovery (50%)
NB4SE08-008-(0-0.5)	Benzaldehyde	UJ	poor calibration fit (%RSD=66)
NB4SE08-008-(0-0.5)	Benzidine	UJ	poor calibration fit (%RSD=49), low LCS/LCSD ave recovery (45.5%), low MS/MSD ave recovery (10%)
NB4SE08-008-(0-0.5)	Benzo(a)pyrene	J	poor calibration fit (%RSD=17)
NB4SE08-008-(0-0.5)	Benzo(g,h,i)perylene	J-	low MS/MSD ave recovery (45%)
NB4SE08-008-(0-0.5)	Benzoic acid	UJ	low LCS/LCSD ave recovery (48.5%), low MS/MSD ave recovery (33.5%)
NB4SE08-008-(0-0.5)	Bis(2-Ethylhexyl)phthalate	U	equipment blank contamination (2.21 JB ug/L)
NB4SE08-008-(0-0.5)	Carbazole	J	result is between SDL and SQL
NB4SE08-008-(0-0.5)	Dibenz(a,h)anthracene	J-	low MS/MSD ave recovery (56.5%)
NB4SE08-008-(0-0.5)	Dibenzofuran	J	result is between SDL and SQL
NB4SE08-008-(0-0.5)	Di-n-butyl phthalate	U	equipment blank contamination (0.789 JB ug/L), result is between SDL and SQL
NB4SE08-008-(0-0.5)	Hexachlorocyclopentadiene	UJ	low LCS/LCSD ave recovery (48.5%)
NB4SE08-008-(0-0.5)	Hexachloroethane	UJ	low LCS/LCSD ave recovery (53%), low MS/MSD ave recovery (59.5%)
NB4SE08-008-(0-0.5)	n-Nitrosodimethylamine	UJ	low LCS/LCSD ave recovery (56%), poor calibration fit (%RSD=25)
NB4SE08-008-(0-0.5)	n-Nitrosodi-n-propylamine	UJ	poor calibration fit (%RSD=21)
NB4SE08-008-(0-0.5)	Pentachlorophenol	UJ	low LCS/LCSD ave recovery (56%)
NB4SE08-008-(0-0.5)	Phenol	UJ	poor calibration fit (%RSD=16)
NB4SE08-008-(0-0.5)	Pyrene	J-	low MS/MSD ave recovery (57.5%)
NB4SE08-008-(0-0.5)	Pyridine	UJ	poor calibration fit (%RSD=27), low LCS/LCSD ave recovery (56%)
NC1SE09-009-(0-0.5)	Antimony	J	result is between SDL and SQL, extremely low MS/MSD ave recovery (19%)
NC1SE09-009-(0-0.5)	Boron	J-	low MS/MSD ave recovery (67%)
NC1SE09-009-(0-0.5)	Molybdenum	J	result is between SDL and SQL, low MS/MSD ave recovery (62.5%)
NC1SE09-009-(0-0.5)	Endosulfan I	UJ	low MS/MSD ave recovery (56.5%)
NC1SE09-009-(0-0.5)	Endosulfan II	UJ	low MS/MSD ave recovery (57%)
NC1SE09-009-(0-0.5)	Aroclor-1016	UJ	low MS/MSD ave recovery (54.5%)
NC1SE09-009-(0-0.5)	2-Butanone	UJ	poor calibration fit (%RSD=27)
NC1SE09-009-(0-0.5)	Acrolein	UJ	low MS/MSD ave recovery (11%)

QUALIFIED DATA TABLE

NC1SE09-009-(0-0.5)	Acrylonitrile	UJ	poor calibration fit (%RSD=19)
NC1SE09-009-(0-0.5)	Methylene chloride	U	laboratory blank contamination (4.19 J ug/Kg); field blank contamination (5.48 JB ug/L); equipment blank contamination (5.89 JB ug/L); trip blank contamination (6.28 JB ug/L); result is between SDL and SQL
NC1SE09-009-(0-0.5)	Vinyl acetate	UJ	low MS/MSD ave recovery (20.5%)
NC1SE09-009-(0-0.5)	2,4-Dinitrophenol	UJ	low LCS/LCSD ave recovery (35%), low MS/MSD ave recovery (52.5%)
NC1SE09-009-(0-0.5)	4,6-Dinitro-2-methylphenol	UJ	low LCS/LCSD ave recovery (51.5%)
NC1SE09-009-(0-0.5)	4-Chloroaniline	UJ	low MS/MSD ave recovery (46%)
NC1SE09-009-(0-0.5)	4-Nitrophenol	UJ	low LCS/LCSD ave recovery (45.5%)
NC1SE09-009-(0-0.5)	Aniline	UJ	low MS/MSD ave recovery (50%)
NC1SE09-009-(0-0.5)	Benzaldehyde	UJ	poor calibration fit (%RSD=66)
NC1SE09-009-(0-0.5)	Benzidine	UJ	poor calibration fit (%RSD=49), low LCS/LCSD ave recovery (45.5%), low MS/MSD ave recovery (10%)
NC1SE09-009-(0-0.5)	Benzo(a)pyrene	UJ	poor calibration fit (%RSD=17)
NC1SE09-009-(0-0.5)	Benzo(b)fluoranthene	J	result is between SDL and SQL
NC1SE09-009-(0-0.5)	Benzo(g,h,i)perylene	UJ	low MS/MSD ave recovery (45%)
NC1SE09-009-(0-0.5)	Benzo(k)fluoranthene	J	result is between SDL and SQL
NC1SE09-009-(0-0.5)	Benzoic acid	UJ	low LCS/LCSD ave recovery (48.5%), low MS/MSD ave recovery (33.5%)
NC1SE09-009-(0-0.5)	Bis(2-Ethylhexyl)phthalate	U	equipment blank contamination (2.21 JB ug/L), result is between SDL and SQL
NC1SE09-009-(0-0.5)	Dibenz(a,h)anthracene	UJ	low MS/MSD ave recovery (56.5%)
NC1SE09-009-(0-0.5)	Hexachlorocyclopentadiene	UJ	low LCS/LCSD ave recovery (48.5%)
NC1SE09-009-(0-0.5)	Hexachloroethane	UJ	low LCS/LCSD ave recovery (53%), low MS/MSD ave recovery (59.5%)
NC1SE09-009-(0-0.5)	n-Nitrosodimethylamine	UJ	low LCS/LCSD ave recovery (56%), poor calibration fit (%RSD=25)
NC1SE09-009-(0-0.5)	n-Nitrosodi-n-propylamine	UJ	poor calibration fit (%RSD=21)
NC1SE09-009-(0-0.5)	Pentachlorophenol	UJ	low LCS/LCSD ave recovery (56%)
NC1SE09-009-(0-0.5)	Phenol	UJ	poor calibration fit (%RSD=16)
NC1SE09-009-(0-0.5)	Pyrene	UJ	low MS/MSD ave recovery (57.5%)
NC1SE09-009-(0-0.5)	Pyridine	UJ	poor calibration fit (%RSD=27), low LCS/LCSD ave recovery (56%)
NC2SE10-010-(0-0.5)	Antimony	J	result is between SDL and SQL, extremely low MS/MSD ave recovery (19%)
NC2SE10-010-(0-0.5)	Boron	J-	low MS/MSD ave recovery (67%)
NC2SE10-010-(0-0.5)	Molybdenum	J	result is between SDL and SQL, low MS/MSD ave recovery (62.5%)
NC2SE10-010-(0-0.5)	Mercury	U	laboratory blank contamination (0.0026 B mg/kg)
NC2SE10-010-(0-0.5)	Endosulfan I	UJ	low LCS/LCSD ave recovery (50%); low MS/MSD ave recovery (56.5%)
NC2SE10-010-(0-0.5)	Endosulfan II	UJ	low MS/MSD ave recovery (57%)
NC2SE10-010-(0-0.5)	gamma-Chlordane	J	result is between SDL and SQL
NC2SE10-010-(0-0.5)	Aroclor-1016	UJ	low MS/MSD ave recovery (54.5%)
NC2SE10-010-(0-0.5)	2-Butanone	UJ	poor calibration fit (%RSD=27)
NC2SE10-010-(0-0.5)	Acrolein	UJ	low MS/MSD ave recovery (11%)
NC2SE10-010-(0-0.5)	Acrylonitrile	UJ	poor calibration fit (%RSD=19)
NC2SE10-010-(0-0.5)	Methylene chloride	U	laboratory blank contamination (2.15 J ug/Kg); field blank contamination (5.48 JB ug/L); equipment blank contamination (5.89 JB ug/L); trip blank contamination (6.28 JB ug/L); result is between SDL and SQL
NC2SE10-010-(0-0.5)	Naphthalene	U	laboratory blank contamination (3.31 J ug/Kg); result is between SDL and SQL
NC2SE10-010-(0-0.5)	Vinyl acetate	UJ	low MS/MSD ave recovery (20.5%)
NC2SE10-010-(0-0.5)	1,2Diphenylhydrazine/Azobenzen	UJ	low base/neutral SU recovery (56%), low base/neutral SU recovery (57%)

QUALIFIED DATA TABLE

NC2SE10-010-(0-0.5)	2,4-Dinitrophenol	UJ	low LCS/LCSD ave recovery (35%), low MS/MSD ave recovery (52.5%)
NC2SE10-010-(0-0.5)	2,4-Dinitrotoluene	UJ	low base/neutral SU recovery (56%), low base/neutral SU recovery (57%)
NC2SE10-010-(0-0.5)	2,6-Dinitrotoluene	UJ	low base/neutral SU recovery (56%), low base/neutral SU recovery (57%)
NC2SE10-010-(0-0.5)	2-Chloronaphthalene	UJ	low base/neutral SU recovery (56%), low base/neutral SU recovery (57%)
NC2SE10-010-(0-0.5)	2-Methylnaphthalene	UJ	low base/neutral SU recovery (56%), low base/neutral SU recovery (57%)
NC2SE10-010-(0-0.5)	2-Nitroaniline	UJ	low base/neutral SU recovery (56%), low base/neutral SU recovery (57%)
NC2SE10-010-(0-0.5)	3,3'-Dichlorobenzidine	UJ	low base/neutral SU recovery (56%), low base/neutral SU recovery (57%)
NC2SE10-010-(0-0.5)	3-Nitroaniline	UJ	low base/neutral SU recovery (56%), low base/neutral SU recovery (57%)
NC2SE10-010-(0-0.5)	4,6-Dinitro-2-methylphenol	UJ	low LCS/LCSD ave recovery (51.5%)
NC2SE10-010-(0-0.5)	4-Bromophenyl phenyl ether	UJ	low base/neutral SU recovery (56%), low base/neutral SU recovery (57%)
NC2SE10-010-(0-0.5)	4-Chloroaniline	UJ	low MS/MSD ave recovery (46%), low base/neutral SU recovery (56%), low base/neutral SU recovery (57%)
NC2SE10-010-(0-0.5)	4-Chlorophenyl phenyl ether	UJ	low base/neutral SU recovery (56%), low base/neutral SU recovery (57%)
NC2SE10-010-(0-0.5)	4-Nitroaniline	UJ	low base/neutral SU recovery (56%), low base/neutral SU recovery (57%)
NC2SE10-010-(0-0.5)	4-Nitrophenol	UJ	low LCS/LCSD ave recovery (45.5%)
NC2SE10-010-(0-0.5)	Acenaphthene	UJ	low base/neutral SU recovery (56%), low base/neutral SU recovery (57%)
NC2SE10-010-(0-0.5)	Acenaphthylene	UJ	low base/neutral SU recovery (56%), low base/neutral SU recovery (57%)
NC2SE10-010-(0-0.5)	Acetophenone	UJ	low base/neutral SU recovery (56%), low base/neutral SU recovery (57%)
NC2SE10-010-(0-0.5)	Aniline	UJ	low MS/MSD ave recovery (50%), low base/neutral SU recovery (56%), low base/neutral SU recovery (57%)
NC2SE10-010-(0-0.5)	Anthracene	UJ	low base/neutral SU recovery (56%), low base/neutral SU recovery (57%)
NC2SE10-010-(0-0.5)	Atrazine (Aatrex)	UJ	low base/neutral SU recovery (56%), low base/neutral SU recovery (57%)
NC2SE10-010-(0-0.5)	Benzaldehyde	UJ	poor calibration fit (%RSD=66), low base/neutral SU recovery (56%), low base/neutral SU recovery (57%)
NC2SE10-010-(0-0.5)	Benzidine	UJ	poor calibration fit (%RSD=49), low LCS/LCSD ave recovery (45.5%), low MS/MSD ave recovery (10%), low base/neutral SU recovery (56%), low base/neutral SU recovery (57%)
NC2SE10-010-(0-0.5)	Benzo(a)anthracene	UJ	low base/neutral SU recovery (56%), low base/neutral SU recovery (57%)
NC2SE10-010-(0-0.5)	Benzo(a)pyrene	UJ	poor calibration fit (%RSD=17), low base/neutral SU recovery (56%), low base/neutral SU recovery (57%)
NC2SE10-010-(0-0.5)	Benzo(b)fluoranthene	UJ	low base/neutral SU recovery (56%), low base/neutral SU recovery (57%)
NC2SE10-010-(0-0.5)	Benzo(g,h,i)perylene	J	result is between SDL and SQL, low MS/MSD ave recovery (45%), low base/neutral SU recovery (56%), low base/neutral SU recovery (57%)
NC2SE10-010-(0-0.5)	Benzo(k)fluoranthene	UJ	low base/neutral SU recovery (56%), low base/neutral SU recovery (57%)
NC2SE10-010-(0-0.5)	Benzoic acid	UJ	low LCS/LCSD ave recovery (48.5%), low MS/MSD ave recovery (33.5%), low base/neutral SU recovery (56%), low base/neutral SU recovery (57%)
NC2SE10-010-(0-0.5)	Benzyl alcohol	UJ	low base/neutral SU recovery (56%), low base/neutral SU recovery (57%)
NC2SE10-010-(0-0.5)	Biphenyl	UJ	low base/neutral SU recovery (56%), low base/neutral SU recovery (57%)
NC2SE10-010-(0-0.5)	Bis(2-Chloroethoxy)methane	UJ	low base/neutral SU recovery (56%), low base/neutral SU recovery (57%)

QUALIFIED DATA TABLE

NC2SE10-010-(0-0.5)	Bis(2-Chloroethyl)ether	UJ	low base/neutral SU recovery (56%), low base/neutral SU recovery (57%)
NC2SE10-010-(0-0.5)	Bis(2-Chloroisopropyl)ether	UJ	low base/neutral SU recovery (56%), low base/neutral SU recovery (57%)
NC2SE10-010-(0-0.5)	Bis(2-Ethylhexyl)phthalate	U	equipment blank contamination (2.21 JB ug/L), result is between SDL and SQL, low base/neutral SU recovery (56%), low base/neutral SU recovery (57%)
NC2SE10-010-(0-0.5)	Butyl benzyl phthalate	UJ	low base/neutral SU recovery (56%), low base/neutral SU recovery (57%)
NC2SE10-010-(0-0.5)	Caprolactam	UJ	low base/neutral SU recovery (56%), low base/neutral SU recovery (57%)
NC2SE10-010-(0-0.5)	Carbazole	UJ	low base/neutral SU recovery (56%), low base/neutral SU recovery (57%)
NC2SE10-010-(0-0.5)	Chrysene	UJ	low base/neutral SU recovery (56%), low base/neutral SU recovery (57%)
NC2SE10-010-(0-0.5)	Dibenz(a,h)anthracene	UJ	low MS/MSD ave recovery (56.5%), low base/neutral SU recovery (56%), low base/neutral SU recovery (57%)
NC2SE10-010-(0-0.5)	Dibenzofuran	UJ	low base/neutral SU recovery (56%), low base/neutral SU recovery (57%)
NC2SE10-010-(0-0.5)	Diethyl phthalate	UJ	low base/neutral SU recovery (56%), low base/neutral SU recovery (57%)
NC2SE10-010-(0-0.5)	Dimethyl phthalate	UJ	low base/neutral SU recovery (56%), low base/neutral SU recovery (57%)
NC2SE10-010-(0-0.5)	Di-n-butyl phthalate	UJ	low base/neutral SU recovery (56%), low base/neutral SU recovery (57%)
NC2SE10-010-(0-0.5)	Di-n-octyl phthalate	UJ	low base/neutral SU recovery (56%), low base/neutral SU recovery (57%)
NC2SE10-010-(0-0.5)	Fluoranthene	UJ	low base/neutral SU recovery (56%), low base/neutral SU recovery (57%)
NC2SE10-010-(0-0.5)	Fluorene	UJ	low base/neutral SU recovery (56%), low base/neutral SU recovery (57%)
NC2SE10-010-(0-0.5)	Hexachlorobenzene	UJ	low base/neutral SU recovery (56%), low base/neutral SU recovery (57%)
NC2SE10-010-(0-0.5)	Hexachlorocyclopentadiene	UJ	low LCS/LCSD ave recovery (48.5%), low base/neutral SU recovery (56%), low base/neutral SU recovery (57%)
NC2SE10-010-(0-0.5)	Hexachloroethane	UJ	low LCS/LCSD ave recovery (53%), low MS/MSD ave recovery (59.5%), low base/neutral SU recovery (56%), low base/neutral SU recovery (57%)
NC2SE10-010-(0-0.5)	Indeno(1,2,3-cd)pyrene	J	result is between SDL and SQL, low base/neutral SU recovery (56%), low base/neutral SU recovery (57%)
NC2SE10-010-(0-0.5)	Isophorone	UJ	low base/neutral SU recovery (56%), low base/neutral SU recovery (57%)
NC2SE10-010-(0-0.5)	Nitrobenzene	UJ	low base/neutral SU recovery (56%), low base/neutral SU recovery (57%)
NC2SE10-010-(0-0.5)	n-Nitrosodimethylamine	UJ	low LCS/LCSD ave recovery (56%), poor calibration fit (%RSD=25), low base/neutral SU recovery (56%), low base/neutral SU recovery (57%)
NC2SE10-010-(0-0.5)	n-Nitrosodi-n-propylamine	UJ	poor calibration fit (%RSD=21), low base/neutral SU recovery (56%), low base/neutral SU recovery (57%)
NC2SE10-010-(0-0.5)	n-Nitrosodiphenylamine	UJ	low base/neutral SU recovery (56%), low base/neutral SU recovery (57%)
NC2SE10-010-(0-0.5)	Pentachlorophenol	UJ	low LCS/LCSD ave recovery (56%)
NC2SE10-010-(0-0.5)	Phenanthrene	UJ	low base/neutral SU recovery (56%), low base/neutral SU recovery (57%)
NC2SE10-010-(0-0.5)	Phenol	UJ	poor calibration fit (%RSD=16)
NC2SE10-010-(0-0.5)	Pyrene	UJ	low MS/MSD ave recovery (57.5%), low base/neutral SU recovery (56%), low base/neutral SU recovery (57%)
NC2SE10-010-(0-0.5)	Pyridine	UJ	poor calibration fit (%RSD=27), low LCS/LCSD ave recovery (56%), low base/neutral SU recovery (56%), low base/neutral SU recovery (57%)
NC3SE11-011-(0-0.5)	Antimony	J	result is between SDL and SQL, extremely low MS/MSD ave recovery (19%)
NC3SE11-011-(0-0.5)	Boron	J-	low MS/MSD ave recovery (67%)

QUALIFIED DATA TABLE

NC3SE11-011-(0-0.5)	Molybdenum	J	result is between SDL and SQL, low MS/MSD ave recovery (62.5%)
NC3SE11-011-(0-0.5)	Mercury	U	laboratory blank contamination (0.0026 B mg/kg); result is between SDL and SQL
NC3SE11-011-(0-0.5)	4,4'-DDT	J	result is between SDL and SQL; calibration drift column 1 (%D= 26); calibration drift column 2 (%D= 23)
NC3SE11-011-(0-0.5)	Endosulfan I	UJ	low LCS/LCSD ave recovery (50%); low MS/MSD ave recovery (56.5%)
NC3SE11-011-(0-0.5)	Endosulfan II	UJ	low MS/MSD ave recovery (57%)
NC3SE11-011-(0-0.5)	Aroclor-1016	UJ	low MS/MSD ave recovery (54.5%)
NC3SE11-011-(0-0.5)	2-Butanone	UJ	poor calibration fit (%RSD=27)
NC3SE11-011-(0-0.5)	Acetone	U	laboratory blank contamination (10.1 J ug/Kg); calibration drift (%D= 41); high LCS/LCSD ave recovery (156%); result is between SDL and SQL
NC3SE11-011-(0-0.5)	Acrolein	UJ	low MS/MSD ave recovery (11%)
NC3SE11-011-(0-0.5)	Acrylonitrile	UJ	poor calibration fit (%RSD=19)
NC3SE11-011-(0-0.5)	Methylene chloride	U	laboratory blank contamination (2.15 J ug/Kg); field blank contamination (5.48 JB ug/L); equipment blank contamination (5.89 JB ug/L); trip blank contamination (6.28 JB ug/L); result is between SDL and SQL
NC3SE11-011-(0-0.5)	Naphthalene	U	laboratory blank contamination (3.31 J ug/Kg); result is between SDL and SQL
NC3SE11-011-(0-0.5)	Vinyl acetate	UJ	low MS/MSD ave recovery (20.5%)
NC3SE11-011-(0-0.5)	2,4-Dinitrophenol	UJ	low LCS/LCSD ave recovery (35%), low MS/MSD ave recovery (52.5%)
NC3SE11-011-(0-0.5)	4,6-Dinitro-2-methylphenol	UJ	low LCS/LCSD ave recovery (51.5%)
NC3SE11-011-(0-0.5)	4-Chloroaniline	UJ	low MS/MSD ave recovery (46%)
NC3SE11-011-(0-0.5)	4-Nitrophenol	UJ	low LCS/LCSD ave recovery (45.5%)
NC3SE11-011-(0-0.5)	Aniline	UJ	low MS/MSD ave recovery (50%)
NC3SE11-011-(0-0.5)	Benzaldehyde	UJ	poor calibration fit (%RSD=66)
NC3SE11-011-(0-0.5)	Benzidine	UJ	poor calibration fit (%RSD=49), low LCS/LCSD ave recovery (45.5%), low MS/MSD ave recovery (10%)
NC3SE11-011-(0-0.5)	Benzo(a)pyrene	J	result is between SDL and SQL, poor calibration fit (%RSD=17)
NC3SE11-011-(0-0.5)	Benzo(b)fluoranthene	J	result is between SDL and SQL
NC3SE11-011-(0-0.5)	Benzo(g,h,i)perylene	J	result is between SDL and SQL, low MS/MSD ave recovery (45%)
NC3SE11-011-(0-0.5)	Benzoic acid	UJ	low LCS/LCSD ave recovery (48.5%), low MS/MSD ave recovery (33.5%)
NC3SE11-011-(0-0.5)	Bis(2-Ethylhexyl)phthalate	U	equipment blank contamination (2.21 JB ug/L), result is between SDL and SQL
NC3SE11-011-(0-0.5)	Chrysene	J	result is between SDL and SQL
NC3SE11-011-(0-0.5)	Dibenz(a,h)anthracene	U	equipment blank contamination (1.05 J ug/L), result is between SDL and SQL, low MS/MSD ave recovery (56.5%)
NC3SE11-011-(0-0.5)	Fluoranthene	J	result is between SDL and SQL
NC3SE11-011-(0-0.5)	Hexachlorocyclopentadiene	UJ	low LCS/LCSD ave recovery (48.5%)
NC3SE11-011-(0-0.5)	Hexachloroethane	UJ	low LCS/LCSD ave recovery (53%), low MS/MSD ave recovery (59.5%)
NC3SE11-011-(0-0.5)	Indeno(1,2,3-cd)pyrene	J	result is between SDL and SQL
NC3SE11-011-(0-0.5)	n-Nitrosodimethylamine	UJ	low LCS/LCSD ave recovery (56%), poor calibration fit (%RSD=25)
NC3SE11-011-(0-0.5)	n-Nitrosodi-n-propylamine	UJ	poor calibration fit (%RSD=21)
NC3SE11-011-(0-0.5)	Pentachlorophenol	UJ	low LCS/LCSD ave recovery (56%)
NC3SE11-011-(0-0.5)	Phenol	UJ	poor calibration fit (%RSD=16)
NC3SE11-011-(0-0.5)	Pyrene	J	result is between SDL and SQL, low MS/MSD ave recovery (57.5%)
NC3SE11-011-(0-0.5)	Pyridine	UJ	poor calibration fit (%RSD=27), low LCS/LCSD ave recovery (56%)
NC4SE12-012-(0-0.5)	Antimony	J	result is between SDL and SQL, extremely low MS/MSD ave recovery (19%)

QUALIFIED DATA TABLE

NC4SE12-012-(0-0.5)	Boron	J-	low MS/MSD ave recovery (67%)
NC4SE12-012-(0-0.5)	Molybdenum	J	result is between SDL and SQL, low MS/MSD ave recovery (62.5%)
NC4SE12-012-(0-0.5)	4,4'-DDT	J+	calibration drift column 1 (%D= 26); calibration drift column 2 (%D= 23)
NC4SE12-012-(0-0.5)	Endosulfan I	UJ	low LCS/LCSD ave recovery (50%); low MS/MSD ave recovery (56.5%)
NC4SE12-012-(0-0.5)	Endosulfan II	UJ	low MS/MSD ave recovery (57%)
NC4SE12-012-(0-0.5)	Aroclor-1016	UJ	low MS/MSD ave recovery (54.5%)
NC4SE12-012-(0-0.5)	2-Butanone	U	trip blank contamination (2.8 J ug/L); poor calibration fit (%RSD=27); poor LCS/LCSD precision (44 RPD); poor MS/MSD precision (64 RPD); result is between SDL and SQL
NC4SE12-012-(0-0.5)	Acetone	U	laboratory blank contamination (10.1 J ug/Kg); calibration drift (%D= 41); high LCS/LCSD ave recovery (156%); result is between SDL and SQL
NC4SE12-012-(0-0.5)	Acrolein	UJ	low MS/MSD ave recovery (11%)
NC4SE12-012-(0-0.5)	Acrylonitrile	UJ	poor calibration fit (%RSD=19)
NC4SE12-012-(0-0.5)	Carbon disulfide	J	result is between SDL and SQL
NC4SE12-012-(0-0.5)	Chloroform	J	result is between SDL and SQL
NC4SE12-012-(0-0.5)	Methylene chloride	U	laboratory blank contamination (2.15 J ug/Kg); field blank contamination (5.48 JB ug/L); equipment blank contamination (5.89 JB ug/L); trip blank contamination (6.28 JB ug/L); result is between SDL and SQL
NC4SE12-012-(0-0.5)	Naphthalene	U	laboratory blank contamination (3.31 J ug/Kg); result is between SDL and SQL
NC4SE12-012-(0-0.5)	Vinyl acetate	UJ	low MS/MSD ave recovery (20.5%)
NC4SE12-012-(0-0.5)	2,4-Dinitrophenol	UJ	low LCS/LCSD ave recovery (35%), low MS/MSD ave recovery (52.5%)
NC4SE12-012-(0-0.5)	4,6-Dinitro-2-methylphenol	UJ	low LCS/LCSD ave recovery (51.5%)
NC4SE12-012-(0-0.5)	4-Chloroaniline	UJ	low MS/MSD ave recovery (46%)
NC4SE12-012-(0-0.5)	4-Nitrophenol	UJ	low LCS/LCSD ave recovery (45.5%)
NC4SE12-012-(0-0.5)	Aniline	UJ	low MS/MSD ave recovery (50%)
NC4SE12-012-(0-0.5)	Benzaldehyde	UJ	poor calibration fit (%RSD=66)
NC4SE12-012-(0-0.5)	Benzidine	UJ	poor calibration fit (%RSD=49), low LCS/LCSD ave recovery (45.5%), low MS/MSD ave recovery (10%)
NC4SE12-012-(0-0.5)	Benzo(a)pyrene	J	poor calibration fit (%RSD=17)
NC4SE12-012-(0-0.5)	Benzo(b)fluoranthene	J	result is between SDL and SQL
NC4SE12-012-(0-0.5)	Benzo(g,h,i)perylene	J	result is between SDL and SQL, low MS/MSD ave recovery (45%)
NC4SE12-012-(0-0.5)	Benzo(k)fluoranthene	J	result is between SDL and SQL
NC4SE12-012-(0-0.5)	Benzoic acid	UJ	low LCS/LCSD ave recovery (48.5%), low MS/MSD ave recovery (33.5%)
NC4SE12-012-(0-0.5)	Bis(2-Ethylhexyl)phthalate	U	equipment blank contamination (2.21 JB ug/L), result is between SDL and SQL
NC4SE12-012-(0-0.5)	Chrysene	J	result is between SDL and SQL
NC4SE12-012-(0-0.5)	Dibenz(a,h)anthracene	U	equipment blank contamination (1.05 J ug/L), result is between SDL and SQL, low MS/MSD ave recovery (56.5%)
NC4SE12-012-(0-0.5)	Fluoranthene	J	result is between SDL and SQL
NC4SE12-012-(0-0.5)	Hexachlorocyclopentadiene	UJ	low LCS/LCSD ave recovery (48.5%)
NC4SE12-012-(0-0.5)	Hexachloroethane	UJ	low LCS/LCSD ave recovery (53%), low MS/MSD ave recovery (59.5%)
NC4SE12-012-(0-0.5)	Indeno(1,2,3-cd)pyrene	J	result is between SDL and SQL
NC4SE12-012-(0-0.5)	n-Nitrosodimethylamine	UJ	low LCS/LCSD ave recovery (56%), poor calibration fit (%RSD=25)
NC4SE12-012-(0-0.5)	n-Nitrosodi-n-propylamine	UJ	poor calibration fit (%RSD=21)
NC4SE12-012-(0-0.5)	Pentachlorophenol	UJ	low LCS/LCSD ave recovery (56%)
NC4SE12-012-(0-0.5)	Phenanthrene	J	result is between SDL and SQL
NC4SE12-012-(0-0.5)	Phenol	UJ	poor calibration fit (%RSD=16)

QUALIFIED DATA TABLE

NC4SE12-012-(0-0.5)	Pyrene	J	result is between SDL and SQL, low MS/MSD ave recovery (57.5%)
NC4SE12-012-(0-0.5)	Pyridine	UJ	poor calibration fit (%RSD=27), low LCS/LCSD ave recovery (56%)
NF4SE13-013-(0-0.5)	Antimony	R	extremely low MS/MSD ave recovery (19%)
NF4SE13-013-(0-0.5)	Boron	J-	low MS/MSD ave recovery (67%)
NF4SE13-013-(0-0.5)	Molybdenum	J	result is between SDL and SQL, low MS/MSD ave recovery (62.5%)
NF4SE13-013-(0-0.5)	4,4'-DDT	J+	calibration drift column 1 (%D= 17); calibration drift column 1 (%D= 30); calibration drift column 2 (%D= 16)
NF4SE13-013-(0-0.5)	Endosulfan I	UJ	low LCS/LCSD ave recovery (50%); low MS/MSD ave recovery (56.5%)
NF4SE13-013-(0-0.5)	Endosulfan II	UJ	low MS/MSD ave recovery (57%)
NF4SE13-013-(0-0.5)	Aroclor-1016	UJ	low MS/MSD ave recovery (54.5%)
NF4SE13-013-(0-0.5)	2-Butanone	UJ	poor calibration fit (%RSD=27)
NF4SE13-013-(0-0.5)	Acrolein	UJ	low MS/MSD ave recovery (11%)
NF4SE13-013-(0-0.5)	Acrylonitrile	UJ	poor calibration fit (%RSD=19)
NF4SE13-013-(0-0.5)	Methylene chloride	U	laboratory blank contamination (4.19 J ug/Kg); field blank contamination (5.48 JB ug/L); equipment blank contamination (5.89 JB ug/L); trip blank contamination (6.28 JB ug/L); result is between SDL and SQL
NF4SE13-013-(0-0.5)	Naphthalene	U	laboratory blank contamination (3.35 J ug/Kg); result is between SDL and SQL
NF4SE13-013-(0-0.5)	Vinyl acetate	UJ	low MS/MSD ave recovery (20.5%)
NF4SE13-013-(0-0.5)	2,4-Dinitrophenol	UJ	low LCS/LCSD ave recovery (35%), low MS/MSD ave recovery (52.5%)
NF4SE13-013-(0-0.5)	2-Methylnaphthalene	J	result is between SDL and SQL
NF4SE13-013-(0-0.5)	4,6-Dinitro-2-methylphenol	UJ	low LCS/LCSD ave recovery (51.5%)
NF4SE13-013-(0-0.5)	4-Chloroaniline	UJ	low MS/MSD ave recovery (46%)
NF4SE13-013-(0-0.5)	4-Nitrophenol	UJ	low LCS/LCSD ave recovery (45.5%)
NF4SE13-013-(0-0.5)	Aniline	UJ	low MS/MSD ave recovery (50%)
NF4SE13-013-(0-0.5)	Anthracene	J	result is between SDL and SQL
NF4SE13-013-(0-0.5)	Benzaldehyde	UJ	poor calibration fit (%RSD=66)
NF4SE13-013-(0-0.5)	Benzidine	UJ	poor calibration fit (%RSD=49), low LCS/LCSD ave recovery (45.5%), low MS/MSD ave recovery (10%)
NF4SE13-013-(0-0.5)	Benzo(a)pyrene	UJ	poor calibration fit (%RSD=17)
NF4SE13-013-(0-0.5)	Benzo(b)fluoranthene	J	result is between SDL and SQL
NF4SE13-013-(0-0.5)	Benzo(g,h,i)perylene	J	result is between SDL and SQL, low MS/MSD ave recovery (45%)
NF4SE13-013-(0-0.5)	Benzo(k)fluoranthene	J	result is between SDL and SQL
NF4SE13-013-(0-0.5)	Benzoic acid	UJ	low LCS/LCSD ave recovery (48.5%), low MS/MSD ave recovery (33.5%)
NF4SE13-013-(0-0.5)	Bis(2-Ethylhexyl)phthalate	U	equipment blank contamination (2.21 JB ug/L)
NF4SE13-013-(0-0.5)	Chrysene	J	result is between SDL and SQL
NF4SE13-013-(0-0.5)	Dibenz(a,h)anthracene	U	equipment blank contamination (1.05 J ug/L), result is between SDL and SQL, low MS/MSD ave recovery (56.5%)
NF4SE13-013-(0-0.5)	Hexachlorocyclopentadiene	UJ	low LCS/LCSD ave recovery (48.5%)
NF4SE13-013-(0-0.5)	Hexachloroethane	UJ	low LCS/LCSD ave recovery (53%), low MS/MSD ave recovery (59.5%)
NF4SE13-013-(0-0.5)	Indeno(1,2,3-cd)pyrene	J	result is between SDL and SQL
NF4SE13-013-(0-0.5)	n-Nitrosodimethylamine	UJ	low LCS/LCSD ave recovery (56%), poor calibration fit (%RSD=25)
NF4SE13-013-(0-0.5)	n-Nitrosodi-n-propylamine	UJ	poor calibration fit (%RSD=21)
NF4SE13-013-(0-0.5)	Pentachlorophenol	UJ	low LCS/LCSD ave recovery (56%)
NF4SE13-013-(0-0.5)	Phenol	UJ	poor calibration fit (%RSD=16)
NF4SE13-013-(0-0.5)	Pyrene	J	result is between SDL and SQL, low MS/MSD ave recovery (57.5%)

QUALIFIED DATA TABLE

NF4SE13-013-(0-0.5)	Pyridine	UJ	poor calibration fit (%RSD=27), low LCS/LCSD ave recovery (56%)
NG1SE14-014-(0-0.5)	Antimony	J	result is between SDL and SQL, extremely low MS/MSD ave recovery (19%)
NG1SE14-014-(0-0.5)	Arsenic	J	result is between SDL and SQL
NG1SE14-014-(0-0.5)	Boron	J-	low MS/MSD ave recovery (67%)
NG1SE14-014-(0-0.5)	Molybdenum	J	result is between SDL and SQL, low MS/MSD ave recovery (62.5%)
NG1SE14-014-(0-0.5)	Endosulfan I	UJ	low LCS/LCSD ave recovery (50%); low MS/MSD ave recovery (56.5%)
NG1SE14-014-(0-0.5)	Endosulfan II	UJ	low MS/MSD ave recovery (57%)
NG1SE14-014-(0-0.5)	Aroclor-1016	UJ	low MS/MSD ave recovery (54.5%)
NG1SE14-014-(0-0.5)	2-Butanone	UJ	poor calibration fit (%RSD=27)
NG1SE14-014-(0-0.5)	Acrolein	UJ	low MS/MSD ave recovery (11%)
NG1SE14-014-(0-0.5)	Acrylonitrile	UJ	poor calibration fit (%RSD=19)
NG1SE14-014-(0-0.5)	Carbon disulfide	J	result is between SDL and SQL
NG1SE14-014-(0-0.5)	Methylene chloride	U	laboratory blank contamination (4.19 J ug/Kg); field blank contamination (5.48 JB ug/L); equipment blank contamination (5.89 JB ug/L); trip blank contamination (6.28 JB ug/L); result is between SDL and SQL
NG1SE14-014-(0-0.5)	Naphthalene	U	laboratory blank contamination (3.35 J ug/Kg); result is between SDL and SQL
NG1SE14-014-(0-0.5)	Vinyl acetate	UJ	low MS/MSD ave recovery (20.5%)
NG1SE14-014-(0-0.5)	1,2Diphenylhydrazine/Azobenzen	UJ	low base/neutral SU recovery (57%), low base/neutral SU recovery (55%)
NG1SE14-014-(0-0.5)	2,4-Dinitrophenol	UJ	low LCS/LCSD ave recovery (35%), low MS/MSD ave recovery (52.5%)
NG1SE14-014-(0-0.5)	2,4-Dinitrotoluene	UJ	low base/neutral SU recovery (57%), low base/neutral SU recovery (55%)
NG1SE14-014-(0-0.5)	2,6-Dinitrotoluene	UJ	low base/neutral SU recovery (57%), low base/neutral SU recovery (55%)
NG1SE14-014-(0-0.5)	2-Chloronaphthalene	UJ	low base/neutral SU recovery (57%), low base/neutral SU recovery (55%)
NG1SE14-014-(0-0.5)	2-Methylnaphthalene	UJ	low base/neutral SU recovery (57%), low base/neutral SU recovery (55%)
NG1SE14-014-(0-0.5)	2-Nitroaniline	UJ	low base/neutral SU recovery (57%), low base/neutral SU recovery (55%)
NG1SE14-014-(0-0.5)	3,3'-Dichlorobenzidine	UJ	low base/neutral SU recovery (57%), low base/neutral SU recovery (55%)
NG1SE14-014-(0-0.5)	3-Nitroaniline	UJ	low base/neutral SU recovery (57%), low base/neutral SU recovery (55%)
NG1SE14-014-(0-0.5)	4,6-Dinitro-2-methylphenol	UJ	low LCS/LCSD ave recovery (51.5%)
NG1SE14-014-(0-0.5)	4-Bromophenyl phenyl ether	UJ	low base/neutral SU recovery (57%), low base/neutral SU recovery (55%)
NG1SE14-014-(0-0.5)	4-Chloroaniline	UJ	low MS/MSD ave recovery (46%); low base/neutral SU recovery (57%), low base/neutral SU recovery (55%)
NG1SE14-014-(0-0.5)	4-Chlorophenyl phenyl ether	UJ	low base/neutral SU recovery (57%), low base/neutral SU recovery (55%)
NG1SE14-014-(0-0.5)	4-Nitroaniline	UJ	low base/neutral SU recovery (57%), low base/neutral SU recovery (55%)
NG1SE14-014-(0-0.5)	4-Nitrophenol	UJ	low LCS/LCSD ave recovery (45.5%)
NG1SE14-014-(0-0.5)	Acenaphthene	UJ	low base/neutral SU recovery (57%), low base/neutral SU recovery (55%)
NG1SE14-014-(0-0.5)	Acenaphthylene	UJ	low base/neutral SU recovery (57%), low base/neutral SU recovery (55%)
NG1SE14-014-(0-0.5)	Acetophenone	UJ	low base/neutral SU recovery (57%), low base/neutral SU recovery (55%)
NG1SE14-014-(0-0.5)	Aniline	UJ	low MS/MSD ave recovery (50%); low base/neutral SU recovery (57%), low base/neutral SU recovery (55%)
NG1SE14-014-(0-0.5)	Anthracene	UJ	low base/neutral SU recovery (57%), low base/neutral SU recovery (55%)

QUALIFIED DATA TABLE

NG1SE14-014-(0-0.5)	Atrazine (Aatrex)	UJ	low base/neutral SU recovery (57%), low base/neutral SU recovery (55%)
NG1SE14-014-(0-0.5)	Benzaldehyde	UJ	poor calibration fit (%RSD=66); low base/neutral SU recovery (57%), low base/neutral SU recovery (55%)
NG1SE14-014-(0-0.5)	Benzidine	UJ	poor calibration fit (%RSD=49), low LCS/LCSD ave recovery (45.5%), low MS/MSD ave recovery (10%), low base/neutral SU recovery (57%), low base/neutral SU recovery (55%)
NG1SE14-014-(0-0.5)	Benzo(a)anthracene	UJ	low base/neutral SU recovery (57%), low base/neutral SU recovery (55%)
NG1SE14-014-(0-0.5)	Benzo(a)pyrene	UJ	poor calibration fit (%RSD=17), low base/neutral SU recovery (57%), low base/neutral SU recovery (55%)
NG1SE14-014-(0-0.5)	Benzo(b)fluoranthene	J	result is between SDL and SQL, low base/neutral SU recovery (57%), low base/neutral SU recovery (55%)
NG1SE14-014-(0-0.5)	Benzo(g,h,i)perylene	J	result is between SDL and SQL, low MS/MSD ave recovery (45%), low base/neutral SU recovery (57%), low base/neutral SU recovery (55%)
NG1SE14-014-(0-0.5)	Benzo(k)fluoranthene	J	result is between SDL and SQL, low base/neutral SU recovery (57%), low base/neutral SU recovery (55%)
NG1SE14-014-(0-0.5)	Benzoic acid	UJ	low LCS/LCSD ave recovery (48.5%), low MS/MSD ave recovery (33.5%), low base/neutral SU recovery (57%), low base/neutral SU recovery (55%)
NG1SE14-014-(0-0.5)	Benzyl alcohol	UJ	low base/neutral SU recovery (57%), low base/neutral SU recovery (55%)
NG1SE14-014-(0-0.5)	Biphenyl	UJ	low base/neutral SU recovery (57%), low base/neutral SU recovery (55%)
NG1SE14-014-(0-0.5)	Bis(2-Chloroethoxy)methane	UJ	low base/neutral SU recovery (57%), low base/neutral SU recovery (55%)
NG1SE14-014-(0-0.5)	Bis(2-Chloroethyl)ether	UJ	low base/neutral SU recovery (57%), low base/neutral SU recovery (55%)
NG1SE14-014-(0-0.5)	Bis(2-Chloroisopropyl)ether	UJ	low base/neutral SU recovery (57%), low base/neutral SU recovery (55%)
NG1SE14-014-(0-0.5)	Bis(2-Ethylhexyl)phthalate	U	equipment blank contamination (2.21 JB ug/L), low base/neutral SU recovery (57%), low base/neutral SU recovery (55%), result is between SDL and SQL
NG1SE14-014-(0-0.5)	Butyl benzyl phthalate	UJ	low base/neutral SU recovery (57%), low base/neutral SU recovery (55%)
NG1SE14-014-(0-0.5)	Caprolactam	UJ	low base/neutral SU recovery (57%), low base/neutral SU recovery (55%)
NG1SE14-014-(0-0.5)	Carbazole	UJ	low base/neutral SU recovery (57%), low base/neutral SU recovery (55%)
NG1SE14-014-(0-0.5)	Chrysene	UJ	low base/neutral SU recovery (57%), low base/neutral SU recovery (55%)
NG1SE14-014-(0-0.5)	Dibenz(a,h)anthracene	UJ	low MS/MSD ave recovery (56.5%), low base/neutral SU recovery (57%), low base/neutral SU recovery (55%)
NG1SE14-014-(0-0.5)	Dibenzofuran	UJ	low base/neutral SU recovery (57%), low base/neutral SU recovery (55%)
NG1SE14-014-(0-0.5)	Diethyl phthalate	UJ	low base/neutral SU recovery (57%), low base/neutral SU recovery (55%)
NG1SE14-014-(0-0.5)	Dimethyl phthalate	UJ	low base/neutral SU recovery (57%), low base/neutral SU recovery (55%)
NG1SE14-014-(0-0.5)	Di-n-butyl phthalate	UJ	low base/neutral SU recovery (57%), low base/neutral SU recovery (55%)
NG1SE14-014-(0-0.5)	Di-n-octyl phthalate	UJ	low base/neutral SU recovery (57%), low base/neutral SU recovery (55%)
NG1SE14-014-(0-0.5)	Fluoranthene	UJ	low base/neutral SU recovery (57%), low base/neutral SU recovery (55%)
NG1SE14-014-(0-0.5)	Fluorene	UJ	low base/neutral SU recovery (57%), low base/neutral SU recovery (55%)
NG1SE14-014-(0-0.5)	Hexachlorobenzene	UJ	low base/neutral SU recovery (57%), low base/neutral SU recovery (55%)
NG1SE14-014-(0-0.5)	Hexachlorocyclopentadiene	UJ	low LCS/LCSD ave recovery (48.5%), low base/neutral SU recovery (57%), low base/neutral SU recovery (55%)

QUALIFIED DATA TABLE

NG1SE14-014-(0-0.5)	Hexachloroethane	UJ	low LCS/LCSD ave recovery (53%), low MS/MSD ave recovery (59.5%), low base/neutral SU recovery (57%), low base/neutral SU recovery (55%)
NG1SE14-014-(0-0.5)	Indeno(1,2,3-cd)pyrene	J	result is between SDL and SQL, low base/neutral SU recovery (57%), low base/neutral SU recovery (55%)
NG1SE14-014-(0-0.5)	Isophorone	UJ	low base/neutral SU recovery (57%), low base/neutral SU recovery (55%)
NG1SE14-014-(0-0.5)	Nitrobenzene	UJ	low base/neutral SU recovery (57%), low base/neutral SU recovery (55%)
NG1SE14-014-(0-0.5)	n-Nitrosodimethylamine	UJ	low LCS/LCSD ave recovery (56%), poor calibration fit (%RSD=25), low base/neutral SU recovery (57%), low base/neutral SU recovery (55%)
NG1SE14-014-(0-0.5)	n-Nitrosodi-n-propylamine	UJ	poor calibration fit (%RSD=21), low base/neutral SU recovery (57%), low base/neutral SU recovery (55%)
NG1SE14-014-(0-0.5)	n-Nitrosodiphenylamine	UJ	low base/neutral SU recovery (57%), low base/neutral SU recovery (55%)
NG1SE14-014-(0-0.5)	Pentachlorophenol	UJ	low LCS/LCSD ave recovery (56%)
NG1SE14-014-(0-0.5)	Phenanthrene	UJ	low base/neutral SU recovery (57%), low base/neutral SU recovery (55%)
NG1SE14-014-(0-0.5)	Phenol	UJ	poor calibration fit (%RSD=16)
NG1SE14-014-(0-0.5)	Pyrene	UJ	low MS/MSD ave recovery (57.5%), low base/neutral SU recovery (57%), low base/neutral SU recovery (55%)
NG1SE14-014-(0-0.5)	Pyridine	UJ	poor calibration fit (%RSD=27), low LCS/LCSD ave recovery (56%), low base/neutral SU recovery (57%), low base/neutral SU recovery (55%)
NG2SE15-015 (0-0.5)	Antimony	J	result is between SDL and SQL, extremely low MS/MSD ave recovery (25.5%)
NG2SE15-015 (0-0.5)	Arsenic	J	result is between SDL and SQL
NG2SE15-015 (0-0.5)	Boron	J-	low MS/MSD ave recovery (45%)
NG2SE15-015 (0-0.5)	Manganese	J	poor MS/MSD precision (34 RPD)
NG2SE15-015 (0-0.5)	Molybdenum	J	result is between SDL and SQL, low MS/MSD ave recovery (62%)
NG2SE15-015 (0-0.5)	Selenium	UJ	low MS/MSD ave recovery (68.5%)
NG2SE15-015 (0-0.5)	Titanium	J	poor MS/MSD precision (32 RPD)
NG2SE15-015 (0-0.5)	Mercury	U	laboratory blank contamination (0.0046 B mg/kg)
NG2SE15-015 (0-0.5)	4,4'-DDT	J	result is between SDL and SQL; calibration drift column 1 (%D=16); calibration drift column 2 (%D= 22)
NG2SE15-015 (0-0.5)	Endosulfan I	UJ	low LCS/LCSD ave recovery (50%); low MS/MSD ave recovery (56.5%)
NG2SE15-015 (0-0.5)	Endosulfan II	UJ	low MS/MSD ave recovery (57%)
NG2SE15-015 (0-0.5)	gamma-Chlordane	J	result is between SDL and SQL
NG2SE15-015 (0-0.5)	Aroclor-1016	UJ	low MS/MSD ave recovery (54.5%)
NG2SE15-015 (0-0.5)	2-Butanone	UJ	poor calibration fit (%RSD=27)
NG2SE15-015 (0-0.5)	Acrolein	UJ	low MS/MSD ave recovery (11%)
NG2SE15-015 (0-0.5)	Acrylonitrile	UJ	poor calibration fit (%RSD=19)
NG2SE15-015 (0-0.5)	Methylene chloride	U	laboratory blank contamination (4.19 J ug/Kg); field blank contamination (5.48 JB ug/L); equipment blank contamination (5.89 JB ug/L); trip blank contamination (6.28 JB ug/L); result is between SDL and SQL
NG2SE15-015 (0-0.5)	Naphthalene	U	laboratory blank contamination (3.35 J ug/Kg); result is between SDL and SQL
NG2SE15-015 (0-0.5)	Vinyl acetate	UJ	low MS/MSD ave recovery (20.5%)
NG2SE15-015 (0-0.5)	2,4-Dinitrophenol	UJ	low LCS/LCSD ave recovery (35%), low MS/MSD ave recovery (52.5%)
NG2SE15-015 (0-0.5)	4,6-Dinitro-2-methylphenol	UJ	low LCS/LCSD ave recovery (51.5%)
NG2SE15-015 (0-0.5)	4-Chloroaniline	UJ	low MS/MSD ave recovery (46%)
NG2SE15-015 (0-0.5)	4-Nitrophenol	UJ	low LCS/LCSD ave recovery (45.5%)
NG2SE15-015 (0-0.5)	Aniline	UJ	low MS/MSD ave recovery (50%)
NG2SE15-015 (0-0.5)	Benzaldehyde	UJ	poor calibration fit (%RSD=66)

QUALIFIED DATA TABLE

NG2SE15-015 (0-0.5)	Benzidine	UJ	poor calibration fit (%RSD=49), low LCS/LCSD ave recovery (45.5%), low MS/MSD ave recovery (10%)
NG2SE15-015 (0-0.5)	Benzo(a)pyrene	UJ	poor calibration fit (%RSD=17)
NG2SE15-015 (0-0.5)	Benzo(b)fluoranthene	J	result is between SDL and SQL
NG2SE15-015 (0-0.5)	Benzo(g,h,i)perylene	J	result is between SDL and SQL, low MS/MSD ave recovery (45%)
NG2SE15-015 (0-0.5)	Benzo(k)fluoranthene	J	result is between SDL and SQL
NG2SE15-015 (0-0.5)	Benzoic acid	UJ	low LCS/LCSD ave recovery (48.5%), low MS/MSD ave recovery (33.5%)
NG2SE15-015 (0-0.5)	Bis(2-Ethylhexyl)phthalate	U	equipment blank contamination (2.21 JB ug/L), result is between SDL and SQL
NG2SE15-015 (0-0.5)	Dibenz(a,h)anthracene	U	equipment blank contamination (1.05 J ug/L), result is between SDL and SQL, low MS/MSD ave recovery (56.5%)
NG2SE15-015 (0-0.5)	Hexachlorocyclopentadiene	UJ	low LCS/LCSD ave recovery (48.5%)
NG2SE15-015 (0-0.5)	Hexachloroethane	UJ	low LCS/LCSD ave recovery (53%), low MS/MSD ave recovery (59.5%)
NG2SE15-015 (0-0.5)	Indeno(1,2,3-cd)pyrene	J	result is between SDL and SQL
NG2SE15-015 (0-0.5)	n-Nitrosodimethylamine	UJ	low LCS/LCSD ave recovery (56%), poor calibration fit (%RSD=25)
NG2SE15-015 (0-0.5)	n-Nitrosodi-n-propylamine	UJ	poor calibration fit (%RSD=21)
NG2SE15-015 (0-0.5)	Pentachlorophenol	UJ	low LCS/LCSD ave recovery (56%)
NG2SE15-015 (0-0.5)	Phenol	UJ	poor calibration fit (%RSD=16)
NG2SE15-015 (0-0.5)	Pyrene	UJ	low MS/MSD ave recovery (57.5%)
NG2SE15-015 (0-0.5)	Pyridine	UJ	poor calibration fit (%RSD=27), low LCS/LCSD ave recovery (56%)
NG3SE16-016-(0-0.5)	Antimony	J	result is between SDL and SQL, extremely low MS/MSD ave recovery (25.5%)
NG3SE16-016-(0-0.5)	Boron	J-	low MS/MSD ave recovery (45%)
NG3SE16-016-(0-0.5)	Manganese	J	poor MS/MSD precision (34 RPD)
NG3SE16-016-(0-0.5)	Molybdenum	J	result is between SDL and SQL, low MS/MSD ave recovery (62%)
NG3SE16-016-(0-0.5)	Selenium	UJ	low MS/MSD ave recovery (68.5%)
NG3SE16-016-(0-0.5)	Titanium	J	poor MS/MSD precision (32 RPD)
NG3SE16-016-(0-0.5)	Mercury	U	laboratory blank contamination (0.0046 B mg/kg)
NG3SE16-016-(0-0.5)	Endosulfan I	UJ	low LCS/LCSD ave recovery (50%); low MS/MSD ave recovery (56.5%)
NG3SE16-016-(0-0.5)	Endosulfan II	UJ	low MS/MSD ave recovery (57%)
NG3SE16-016-(0-0.5)	Endrin aldehyde	J	result is between SDL and SQL
NG3SE16-016-(0-0.5)	Aroclor-1016	UJ	low MS/MSD ave recovery (54.5%)
NG3SE16-016-(0-0.5)	2-Butanone	U	trip blank contamination (2.8 J ug/L); poor calibration fit (%RSD=27); poor MS/MSD precision (64 RPD); result is between SDL and SQL
NG3SE16-016-(0-0.5)	Acetone	J	result is between SDL and SQL; calibration drift (%D= 32)
NG3SE16-016-(0-0.5)	Acrolein	UJ	low MS/MSD ave recovery (11%)
NG3SE16-016-(0-0.5)	Acrylonitrile	UJ	poor calibration fit (%RSD=19)
NG3SE16-016-(0-0.5)	Methylene chloride	U	laboratory blank contamination (4.19 J ug/Kg); field blank contamination (5.48 JB ug/L); equipment blank contamination (5.89 JB ug/L); trip blank contamination (6.28 JB ug/L); result is between SDL and SQL
NG3SE16-016-(0-0.5)	Naphthalene	U	laboratory blank contamination (3.35 J ug/Kg); result is between SDL and SQL
NG3SE16-016-(0-0.5)	Vinyl acetate	UJ	low MS/MSD ave recovery (20.5%)
NG3SE16-016-(0-0.5)	2,4-Dinitrophenol	UJ	low LCS/LCSD ave recovery (40.5%), low MS/MSD ave recovery (52.5%)
NG3SE16-016-(0-0.5)	4-Chloroaniline	UJ	low LCS/LCSD ave recovery (54.5%), low MS/MSD ave recovery (46%)
NG3SE16-016-(0-0.5)	Aniline	UJ	low MS/MSD ave recovery (50%)
NG3SE16-016-(0-0.5)	Anthracene	J	result is between SDL and SQL
NG3SE16-016-(0-0.5)	Benzo(a)anthracene	J	result is between SDL and SQL

QUALIFIED DATA TABLE

NG3SE16-016-(0-0.5)	Benzo(a)pyrene	J	result is between SDL and SQL, poor calibration fit (%RSD=26)
NG3SE16-016-(0-0.5)	Benzo(b)fluoranthene	J	result is between SDL and SQL
NG3SE16-016-(0-0.5)	Benzo(g,h,i)perylene	J	result is between SDL and SQL, low MS/MSD ave recovery (45%)
NG3SE16-016-(0-0.5)	Benzoic acid	UJ	low LCS/LCSD ave recovery (58%), low MS/MSD ave recovery (33.5%)
NG3SE16-016-(0-0.5)	Bis(2-Ethylhexyl)phthalate	U	laboratory blank contamination (64.2 J ug/Kg), equipment blank contamination (2.21 JB ug/L)
NG3SE16-016-(0-0.5)	Butyl benzyl phthalate	J	result is between SDL and SQL
NG3SE16-016-(0-0.5)	Carbazole	J	result is between SDL and SQL
NG3SE16-016-(0-0.5)	Chrysene	J	result is between SDL and SQL
NG3SE16-016-(0-0.5)	Dibenz(a,h)anthracene	UJ	low MS/MSD ave recovery (56.5%)
NG3SE16-016-(0-0.5)	Fluoranthene	J	result is between SDL and SQL
NG3SE16-016-(0-0.5)	Hexachloroethane	UJ	low MS/MSD ave recovery (59.5%)
NG3SE16-016-(0-0.5)	Indeno(1,2,3-cd)pyrene	J	result is between SDL and SQL
NG3SE16-016-(0-0.5)	Phenanthrene	J	result is between SDL and SQL
NG3SE16-016-(0-0.5)	Phenol	UJ	low LCS/LCSD ave recovery (59%)
NG3SE16-016-(0-0.5)	Pyrene	J	result is between SDL and SQL, low MS/MSD ave recovery (57.5%)
NG3SE16-016-(0-0.5),	Benzidine	UJ	low MS/MSD ave recovery (10%)
NG4SE17-017 (0-0.5)	Antimony	J	result is between SDL and SQL, extremely low MS/MSD ave recovery (25.5%)
NG4SE17-017 (0-0.5)	Boron	J-	low MS/MSD ave recovery (45%)
NG4SE17-017 (0-0.5)	Manganese	J	poor MS/MSD precision (34 RPD)
NG4SE17-017 (0-0.5)	Molybdenum	J	result is between SDL and SQL, low MS/MSD ave recovery (62%)
NG4SE17-017 (0-0.5)	Selenium	UJ	low MS/MSD ave recovery (68.5%)
NG4SE17-017 (0-0.5)	Titanium	J	poor MS/MSD precision (32 RPD)
NG4SE17-017 (0-0.5)	beta-BHC	J	result is between SDL and SQL
NG4SE17-017 (0-0.5)	Endosulfan I	UJ	low LCS/LCSD ave recovery (50%); low MS/MSD ave recovery (56.5%)
NG4SE17-017 (0-0.5)	Endosulfan II	UJ	low MS/MSD ave recovery (57%)
NG4SE17-017 (0-0.5)	Endrin aldehyde	J	result is between SDL and SQL
NG4SE17-017 (0-0.5)	Aroclor-1016	UJ	low MS/MSD ave recovery (54.5%)
NG4SE17-017 (0-0.5)	2-Butanone	UJ	poor calibration fit (%RSD=27)
NG4SE17-017 (0-0.5)	Acrolein	UJ	low MS/MSD ave recovery (11%)
NG4SE17-017 (0-0.5)	Acrylonitrile	UJ	poor calibration fit (%RSD=19)
NG4SE17-017 (0-0.5)	Methylene chloride	U	laboratory blank contamination (4.19 J ug/Kg); field blank contamination (5.48 JB ug/L); equipment blank contamination (5.89 JB ug/L); trip blank contamination (6.28 JB ug/L); result is between SDL and SQL
NG4SE17-017 (0-0.5)	Naphthalene	U	laboratory blank contamination (3.35 J ug/Kg); result is between SDL and SQL
NG4SE17-017 (0-0.5)	Vinyl acetate	UJ	low MS/MSD ave recovery (20.5%)
NG4SE17-017 (0-0.5)	2,4-Dinitrophenol	UJ	low LCS/LCSD ave recovery (35%), low MS/MSD ave recovery (52.5%)
NG4SE17-017 (0-0.5)	4,6-Dinitro-2-methylphenol	UJ	low LCS/LCSD ave recovery (51.5%)
NG4SE17-017 (0-0.5)	4-Chloroaniline	UJ	low MS/MSD ave recovery (46%)
NG4SE17-017 (0-0.5)	4-Nitrophenol	UJ	low LCS/LCSD ave recovery (45.5%)
NG4SE17-017 (0-0.5)	Aniline	UJ	low MS/MSD ave recovery (50%)
NG4SE17-017 (0-0.5)	Benzaldehyde	UJ	poor calibration fit (%RSD=66)
NG4SE17-017 (0-0.5)	Benzidine	UJ	poor calibration fit (%RSD=49), low LCS/LCSD ave recovery (45.5%), low MS/MSD ave recovery (10%)
NG4SE17-017 (0-0.5)	Benzo(a)pyrene	UJ	poor calibration fit (%RSD=17)
NG4SE17-017 (0-0.5)	Benzo(b)fluoranthene	J	result is between SDL and SQL
NG4SE17-017 (0-0.5)	Benzo(g,h,i)perylene	J	result is between SDL and SQL, low MS/MSD ave recovery (45%)

QUALIFIED DATA TABLE

NG4SE17-017 (0-0.5)	Benzo(k)fluoranthene	J	result is between SDL and SQL
NG4SE17-017 (0-0.5)	Benzoic acid	UJ	low LCS/LCSD ave recovery (48.5%), low MS/MSD ave recovery (33.5%)
NG4SE17-017 (0-0.5)	Bis(2-Ethylhexyl)phthalate	U	equipment blank contamination (2.21 JB ug/L), result is between SDL and SQL
NG4SE17-017 (0-0.5)	Chrysene	J	result is between SDL and SQL
NG4SE17-017 (0-0.5)	Dibenz(a,h)anthracene	U	equipment blank contamination (1.05 J ug/L), result is between SDL and SQL, low MS/MSD ave recovery (56.5%)
NG4SE17-017 (0-0.5)	Fluoranthene	J	result is between SDL and SQL
NG4SE17-017 (0-0.5)	Hexachlorocyclopentadiene	UJ	low LCS/LCSD ave recovery (48.5%)
NG4SE17-017 (0-0.5)	Hexachloroethane	UJ	low LCS/LCSD ave recovery (53%), low MS/MSD ave recovery (59.5%)
NG4SE17-017 (0-0.5)	Indeno(1,2,3-cd)pyrene	J	result is between SDL and SQL
NG4SE17-017 (0-0.5)	n-Nitrosodimethylamine	UJ	low LCS/LCSD ave recovery (56%), poor calibration fit (%RSD=25)
NG4SE17-017 (0-0.5)	n-Nitrosodi-n-propylamine	UJ	poor calibration fit (%RSD=21)
NG4SE17-017 (0-0.5)	Pentachlorophenol	UJ	low LCS/LCSD ave recovery (56%)
NG4SE17-017 (0-0.5)	Phenanthrene	J	result is between SDL and SQL
NG4SE17-017 (0-0.5)	Phenol	UJ	poor calibration fit (%RSD=16)
NG4SE17-017 (0-0.5)	Pyrene	J	result is between SDL and SQL, low MS/MSD ave recovery (57.5%)
NG4SE17-017 (0-0.5)	Pyridine	UJ	poor calibration fit (%RSD=27), low LCS/LCSD ave recovery (56%)
SPSE01-001	Antimony	J	result is between SDL and SQL, extremely low MS/MSD ave recovery (25.5%)
SPSE01-001	Boron	J-	low MS/MSD ave recovery (45%)
SPSE01-001	Manganese	J	poor MS/MSD precision (34 RPD)
SPSE01-001	Molybdenum	UJ	low MS/MSD ave recovery (62%)
SPSE01-001	Selenium	UJ	low MS/MSD ave recovery (68.5%)
SPSE01-001	Titanium	J	poor MS/MSD precision (32 RPD)
SPSE01-001	Mercury	U	laboratory blank contamination (0.0046 B mg/kg)
SPSE01-001	4,4'-DDT	J	result is between SDL and SQL; calibration drift column 1 (%D=16); calibration drift column 2 (%D= 22)
SPSE01-001	Endosulfan I	UJ	low LCS/LCSD ave recovery (50%); low MS/MSD ave recovery (56.5%)
SPSE01-001	Endosulfan II	UJ	low MS/MSD ave recovery (57%)
SPSE01-001	Aroclor-1016	UJ	low MS/MSD ave recovery (54.5%)
SPSE01-001	2-Butanone	U	trip blank contamination (2.8 J ug/L); poor calibration fit (%RSD=27); poor MS/MSD precision (64 RPD); result is between SDL and SQL
SPSE01-001	Acrolein	UJ	low MS/MSD ave recovery (11%)
SPSE01-001	Acrylonitrile	UJ	poor calibration fit (%RSD=19)
SPSE01-001	Carbon disulfide	J	result is between SDL and SQL
SPSE01-001	Methylene chloride	U	laboratory blank contamination (4.19 J ug/Kg); field blank contamination (5.48 JB ug/L); equipment blank contamination (5.89 JB ug/L); trip blank contamination (6.28 JB ug/L); result is between SDL and SQL
SPSE01-001	Naphthalene	U	laboratory blank contamination (3.35 J ug/Kg); result is between SDL and SQL
SPSE01-001	Vinyl acetate	UJ	low MS/MSD ave recovery (20.5%)
SPSE01-001	2,4,6-Trichlorophenol	J	result is between SDL and SQL
SPSE01-001	2,4-Dinitrophenol	UJ	low LCS/LCSD ave recovery (35%), low MS/MSD ave recovery (52.5%)
SPSE01-001	4,6-Dinitro-2-methylphenol	UJ	low LCS/LCSD ave recovery (51.5%)
SPSE01-001	4-Chloroaniline	UJ	low MS/MSD ave recovery (46%)
SPSE01-001	4-Nitrophenol	UJ	low LCS/LCSD ave recovery (45.5%)
SPSE01-001	Aniline	UJ	low MS/MSD ave recovery (50%)
SPSE01-001	Benzaldehyde	UJ	poor calibration fit (%RSD=66)

QUALIFIED DATA TABLE

SPSE01-001	Benzidine	UJ	poor calibration fit (%RSD=49), low LCS/LCSD ave recovery (45.5%), low MS/MSD ave recovery (10%)
SPSE01-001	Benzo(a)pyrene	UJ	poor calibration fit (%RSD=17)
SPSE01-001	Benzo(b)fluoranthene	J	result is between SDL and SQL
SPSE01-001	Benzo(g,h,i)perylene	UJ	low MS/MSD ave recovery (45%)
SPSE01-001	Benzo(k)fluoranthene	J	result is between SDL and SQL
SPSE01-001	Benzoic acid	UJ	low LCS/LCSD ave recovery (48.5%), low MS/MSD ave recovery (33.5%)
SPSE01-001	Bis(2-Ethylhexyl)phthalate	U	equipment blank contamination (2.21 JB ug/L), result is between SDL and SQL
SPSE01-001	Dibenz(a,h)anthracene	UJ	low MS/MSD ave recovery (56.5%)
SPSE01-001	Hexachlorocyclopentadiene	UJ	low LCS/LCSD ave recovery (48.5%)
SPSE01-001	Hexachloroethane	UJ	low LCS/LCSD ave recovery (53%), low MS/MSD ave recovery (59.5%)
SPSE01-001	n-Nitrosodimethylamine	UJ	low LCS/LCSD ave recovery (56%), poor calibration fit (%RSD=25)
SPSE01-001	n-Nitrosodi-n-propylamine	UJ	poor calibration fit (%RSD=21)
SPSE01-001	Pentachlorophenol	UJ	low LCS/LCSD ave recovery (56%)
SPSE01-001	Phenol	UJ	poor calibration fit (%RSD=16)
SPSE01-001	Pyrene	J	result is between SDL and SQL, low MS/MSD ave recovery (57.5%)
SPSE01-001	Pyridine	UJ	poor calibration fit (%RSD=27), low LCS/LCSD ave recovery (56%)
SPSE02-002	Antimony	J	result is between SDL and SQL, extremely low MS/MSD ave recovery (25.5%)
SPSE02-002	Boron	J-	low MS/MSD ave recovery (45%)
SPSE02-002	Manganese	J	poor MS/MSD precision (34 RPD)
SPSE02-002	Molybdenum	J	result is between SDL and SQL, low MS/MSD ave recovery (62%)
SPSE02-002	Selenium	UJ	low MS/MSD ave recovery (68.5%)
SPSE02-002	Titanium	J	poor MS/MSD precision (32 RPD)
SPSE02-002	Mercury	U	laboratory blank contamination (0.0046 B mg/kg)
SPSE02-002	4,4'-DDD	J	result is between SDL and SQL; calibration drift column 2 (%D=16)
SPSE02-002	4,4'-DDT	J	result is between SDL and SQL; calibration drift column 1 (%D=16); calibration drift column 2 (%D= 22)
SPSE02-002	Endosulfan I	UJ	low LCS/LCSD ave recovery (50%); low MS/MSD ave recovery (56.5%)
SPSE02-002	Endosulfan II	UJ	low MS/MSD ave recovery (57%)
SPSE02-002	Aroclor-1016	UJ	low MS/MSD ave recovery (54.5%)
SPSE02-002	2-Butanone	U	trip blank contamination (2.8 J ug/L); poor calibration fit (%RSD=27); poor MS/MSD precision (64 RPD); result is between SDL and SQL
SPSE02-002	Acrolein	UJ	low MS/MSD ave recovery (11%)
SPSE02-002	Acrylonitrile	UJ	poor calibration fit (%RSD=19)
SPSE02-002	Methylene chloride	U	laboratory blank contamination (4.19 J ug/Kg); field blank contamination (5.48 JB ug/L); equipment blank contamination (5.89 JB ug/L); trip blank contamination (6.28 JB ug/L); result is between SDL and SQL
SPSE02-002	Naphthalene	U	laboratory blank contamination (3.35 J ug/Kg); result is between SDL and SQL
SPSE02-002	Vinyl acetate	UJ	low MS/MSD ave recovery (20.5%)
SPSE02-002	2,4-Dinitrophenol	UJ	low LCS/LCSD ave recovery (35%), low MS/MSD ave recovery (52.5%)
SPSE02-002	4,6-Dinitro-2-methylphenol	UJ	low LCS/LCSD ave recovery (51.5%)
SPSE02-002	4-Chloroaniline	UJ	low MS/MSD ave recovery (46%)
SPSE02-002	4-Nitrophenol	UJ	low LCS/LCSD ave recovery (45.5%)
SPSE02-002	Aniline	UJ	low MS/MSD ave recovery (50%)
SPSE02-002	Benzaldehyde	UJ	poor calibration fit (%RSD=66)

QUALIFIED DATA TABLE

SPSE02-002	Benzidine	UJ	poor calibration fit (%RSD=49), low LCS/LCSD ave recovery (45.5%), low MS/MSD ave recovery (10%)
SPSE02-002	Benzo(a)pyrene	UJ	poor calibration fit (%RSD=17)
SPSE02-002	Benzo(b)fluoranthene	J	result is between SDL and SQL
SPSE02-002	Benzo(g,h,i)perylene	UJ	low MS/MSD ave recovery (45%)
SPSE02-002	Benzo(k)fluoranthene	J	result is between SDL and SQL
SPSE02-002	Benzoic acid	UJ	low LCS/LCSD ave recovery (48.5%), low MS/MSD ave recovery (33.5%)
SPSE02-002	Bis(2-Ethylhexyl)phthalate	U	equipment blank contamination (2.21 JB ug/L)
SPSE02-002	Dibenz(a,h)anthracene	UJ	low MS/MSD ave recovery (56.5%)
SPSE02-002	Hexachlorocyclopentadiene	UJ	low LCS/LCSD ave recovery (48.5%)
SPSE02-002	Hexachloroethane	UJ	low LCS/LCSD ave recovery (53%), low MS/MSD ave recovery (59.5%)
SPSE02-002	m,p-Cresol	J	result is between SDL and SQL
SPSE02-002	n-Nitrosodimethylamine	UJ	low LCS/LCSD ave recovery (56%), poor calibration fit (%RSD=25)
SPSE02-002	n-Nitrosodi-n-propylamine	UJ	poor calibration fit (%RSD=21)
SPSE02-002	Pentachlorophenol	UJ	low LCS/LCSD ave recovery (56%)
SPSE02-002	Phenol	UJ	poor calibration fit (%RSD=16)
SPSE02-002	Pyrene	J	result is between SDL and SQL, low MS/MSD ave recovery (57.5%)
SPSE02-002	Pyridine	UJ	poor calibration fit (%RSD=27), low LCS/LCSD ave recovery (56%)
SPSE03-003	Antimony	J	result is between SDL and SQL, extremely low MS/MSD ave recovery (25.5%)
SPSE03-003	Boron	J-	low MS/MSD ave recovery (45%)
SPSE03-003	Manganese	J	poor MS/MSD precision (34 RPD)
SPSE03-003	Molybdenum	J	result is between SDL and SQL, low MS/MSD ave recovery (62%)
SPSE03-003	Selenium	UJ	low MS/MSD ave recovery (68.5%)
SPSE03-003	Titanium	J	poor MS/MSD precision (32 RPD)
SPSE03-003	Mercury	U	laboratory blank contamination (0.0046 B mg/kg)
SPSE03-003	4,4'-DDT	J	result is between SDL and SQL; calibration drift column 1 (%D=16); calibration drift column 2 (%D= 22)
SPSE03-003	beta-BHC	J	result is between SDL and SQL
SPSE03-003	Endosulfan I	UJ	low LCS/LCSD ave recovery (50%); low MS/MSD ave recovery (56.5%)
SPSE03-003	Endosulfan II	UJ	low MS/MSD ave recovery (57%)
SPSE03-003	Aroclor-1016	UJ	low MS/MSD ave recovery (54.5%)
SPSE03-003	2-Butanone	U	trip blank contamination (2.8 J ug/L); poor calibration fit (%RSD=27); poor MS/MSD precision (64 RPD); result is between SDL and SQL
SPSE03-003	Acetone	J+	calibration drift (%D= 32)
SPSE03-003	Acrolein	UJ	low MS/MSD ave recovery (11%)
SPSE03-003	Acrylonitrile	UJ	poor calibration fit (%RSD=19)
SPSE03-003	Methylene chloride	U	laboratory blank contamination (4.19 J ug/Kg); field blank contamination (5.48 JB ug/L); equipment blank contamination (5.89 JB ug/L); trip blank contamination (6.28 JB ug/L); result is between SDL and SQL
SPSE03-003	Naphthalene	U	laboratory blank contamination (3.35 J ug/Kg); result is between SDL and SQL
SPSE03-003	Vinyl acetate	UJ	low MS/MSD ave recovery (20.5%)
SPSE03-003	2,4-Dinitrophenol	UJ	low LCS/LCSD ave recovery (35%), low MS/MSD ave recovery (52.5%)
SPSE03-003	4,6-Dinitro-2-methylphenol	UJ	low LCS/LCSD ave recovery (51.5%)
SPSE03-003	4-Chloroaniline	UJ	low MS/MSD ave recovery (46%)
SPSE03-003	4-Nitrophenol	UJ	low LCS/LCSD ave recovery (45.5%)
SPSE03-003	Aniline	UJ	low MS/MSD ave recovery (50%)

QUALIFIED DATA TABLE

SPSE03-003	Benzaldehyde	UJ	poor calibration fit (%RSD=66)
SPSE03-003	Benzidine	UJ	poor calibration fit (%RSD=49), low LCS/LCSD ave recovery (45.5%), low MS/MSD ave recovery (10%)
SPSE03-003	Benzo(a)pyrene	UJ	poor calibration fit (%RSD=17)
SPSE03-003	Benzo(b)fluoranthene	J	result is between SDL and SQL
SPSE03-003	Benzo(g,h,i)perylene	J	result is between SDL and SQL, low MS/MSD ave recovery (45%)
SPSE03-003	Benzo(k)fluoranthene	J	result is between SDL and SQL
SPSE03-003	Benzoic acid	UJ	low LCS/LCSD ave recovery (48.5%), low MS/MSD ave recovery (33.5%)
SPSE03-003	Bis(2-Ethylhexyl)phthalate	U	equipment blank contamination (2.21 JB ug/L), result is between SDL and SQL
SPSE03-003	Chrysene	J	result is between SDL and SQL
SPSE03-003	Dibenz(a,h)anthracene	UJ	low MS/MSD ave recovery (56.5%)
SPSE03-003	Hexachlorocyclopentadiene	UJ	low LCS/LCSD ave recovery (48.5%)
SPSE03-003	Hexachloroethane	UJ	low LCS/LCSD ave recovery (53%), low MS/MSD ave recovery (59.5%)
SPSE03-003	n-Nitrosodimethylamine	UJ	low LCS/LCSD ave recovery (56%), poor calibration fit (%RSD=25)
SPSE03-003	n-Nitrosodi-n-propylamine	UJ	poor calibration fit (%RSD=21)
SPSE03-003	Pentachlorophenol	UJ	low LCS/LCSD ave recovery (56%)
SPSE03-003	Phenol	UJ	poor calibration fit (%RSD=16)
SPSE03-003	Pyrene	J	result is between SDL and SQL, low MS/MSD ave recovery (57.5%)
SPSE03-003	Pyridine	UJ	poor calibration fit (%RSD=27), low LCS/LCSD ave recovery (56%)

ATTACHMENT 1

Sample_ID	Lab_Sample_ID	Test_type_code	Analytical_Method	Total_or_dissolved	Matrix	Parameter	Valid_qualifier	Result_type_code	Prep_date	Prep_time	Analysis_Date	Analysis_Time	QC_comment	QC_Batch
MB for HBN 328055 [DIGM/12222]	390610	LB	SW6010B	total	S	Aluminum	U to RRs <= 5 x BlankEquivConc (none)	TRG	7/16/06	12:40	7/18/06	19:52	laboratory blank contamination (7.1 B mg/kg)	328261
MB for HBN 328056 [DIGM/12223]	390612	LB	SW6010B	total	S	Aluminum	U to RRs <= 5 x BlankEquivConc (none)	TRG	7/16/06	14:00	7/18/06	21:41	laboratory blank contamination (2.77 B mg/kg)	328261
NG3SE14-014-(0-0.5)(390484MSD)	390615	MSD	SW6010B	total	S	Aluminum	none (waived due to high parent conc)	TRG	7/16/06	14:00	7/18/06	22:05	high MS/MSD ave recovery (1455%)	328261
NG3SE16-016-(0-0.5) MSD	20607151513	MSD	SW6010B	total	S	Aluminum	none (waived due to high parent conc)	TRG	7/16/06	12:40	7/18/06	20:31	high MS/MSD ave recovery (1300%)	328261
NG3SE14-014-(0-0.5)(390484MSD)	390615	MSD	SW6010B	total	S	Antimony	J- / R to RRs/NDs	TRG	7/16/06	14:00	7/18/06	22:05	extremely low MS/MSD ave recovery (19%)	328261
NG3SE16-016-(0-0.5) MSD	20607151513	MSD	SW6010B	total	S	Antimony	J- / R to RRs/NDs	TRG	7/16/06	12:40	7/18/06	20:31	extremely low MS/MSD ave recovery (25.5%)	328261
MB for HBN 328055 [DIGM/12222]	390610	LB	SW6010B	total	S	Barium	U to RRs <= 5 x BlankEquivConc (none)	TRG	7/16/06	12:40	7/18/06	19:52	laboratory blank contamination (0.031 B mg/kg)	328261
MB for HBN 328056 [DIGM/12223]	390612	LB	SW6010B	total	S	Barium	U to RRs <= 5 x BlankEquivConc (none)	TRG	7/16/06	14:00	7/18/06	21:41	laboratory blank contamination (0.048 B mg/kg)	328261
NG3SE14-014-(0-0.5)(390484MSD)	390615	MSD	SW6010B	total	S	Barium	none (waived due to high parent conc)	TRG	7/16/06	14:00	7/18/06	22:05	high MS/MSD ave recovery (235%)	328261
MB for HBN 328056 [DIGM/12223]	390612	LB	SW6010B	total	S	Boron	U to RRs <= 5 x BlankEquivConc (none)	TRG	7/16/06	14:00	7/18/06	21:41	laboratory blank contamination (1.05 B mg/kg)	328261
NG3SE14-014-(0-0.5)(390484MSD)	390615	MSD	SW6010B	total	S	Boron	J- / UJ to RRs/NDs	TRG	7/16/06	14:00	7/18/06	22:05	low MS/MSD ave recovery (67%)	328261
NC2-019-FB	20607151506	FLDBK	SW6010B	total	W	Boron	U to RRs <= 5 x BlankEquivConc (none)	TRG	7/17/06	14:00	7/24/06	11:59	field blank contamination (0.019 B mg/L)	328638
NG3SE16-016-(0-0.5) MSD	20607151513	MSD	SW6010B	total	S	Boron	J- / UJ to RRs/NDs	TRG	7/16/06	12:40	7/18/06	20:31	low MS/MSD ave recovery (45%)	328261
NG3SE-018-EB	20607151522	EQBK	SW6010B	total	W	Boron	U to RRs <= 5 x BlankEquivConc (none)	TRG	7/17/06	14:00	7/24/06	11:52	equipment blank contamination (0.025 B mg/L)	328638
MB for HBN 328055 [DIGM/12222]	390610	LB	SW6010B	total	S	Cadmium	U to RRs <= 5 x BlankEquivConc (none)	TRG	7/16/06	12:40	7/18/06	19:52	laboratory blank contamination (0.032 B mg/kg)	328261
MB for HBN 328056 [DIGM/12223]	390612	LB	SW6010B	total	S	Cadmium	U to RRs <= 5 x BlankEquivConc (none)	TRG	7/16/06	14:00	7/18/06	21:41	laboratory blank contamination (0.038 B mg/kg)	328261
MB for HBN 328055 [DIGM/12222]	390610	LB	SW6010B	total	S	Chromium	U to RRs <= 5 x BlankEquivConc (none)	TRG	7/16/06	12:40	7/18/06	19:52	laboratory blank contamination (0.063 B mg/kg)	328261
MB for HBN 328056 [DIGM/12223]	390612	LB	SW6010B	total	S	Chromium	U to RRs <= 5 x BlankEquivConc (none)	TRG	7/16/06	14:00	7/18/06	21:41	laboratory blank contamination (0.062 B mg/kg)	328261
MB for HBN 328056 [DIGM/12223]	390612	LB	SW6010B	total	S	Copper	U to RRs <= 5 x BlankEquivConc (none)	TRG	7/16/06	14:00	7/18/06	21:41	laboratory blank contamination (0.26 B mg/kg)	328261

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MB for HBN 328056 [DIGM/12223]	390612	LB	SW6010B	total	S	Iron	U to RRs <= 5 x BlankEquivConc (none)	TRG	7/16/06	14:00	7/18/06	21:41	laboratory blank contamination (1.18 B mg/kg)	328261
NG3SE14-014-(0-0.5)(390484MSD)	390615	MSD	SW6010B	total	S	Iron	none (waived due to high parent conc)	TRG	7/16/06	14:00	7/18/06	22:05	high MS/MSD ave recovery (1012%)	328261
NG3SE16-016-(0-0.5) MSD	20607151513	MSD	SW6010B	total	S	Iron	none (waived due to high parent conc)	TRG	7/16/06	12:40	7/18/06	20:31	high MS/MSD ave recovery (969.5%)	328261
MB for HBN 328055 [DIGM/12222]	390610	LB	SW6010B	total	S	Manganese	U to RRs <= 5 x BlankEquivConc (none)	TRG	7/16/06	12:40	7/18/06	19:52	laboratory blank contamination (0.15 B mg/kg)	328261
MB for HBN 328056 [DIGM/12223]	390612	LB	SW6010B	total	S	Manganese	U to RRs <= 5 x BlankEquivConc (none)	TRG	7/16/06	14:00	7/18/06	21:41	laboratory blank contamination (0.18 B mg/kg)	328261
NG3SE14-014-(0-0.5)(390484MSD)	390615	MSD	SW6010B	total	S	Manganese	none (waived due to high parent conc)	TRG	7/16/06	14:00	7/18/06	22:05	high MS/MSD ave recovery (141.5%)	328261
NC2-019-FB	20607151506	FLDBK	SW6010B	total	W	Manganese	U to RRs <= 5 x BlankEquivConc (none)	TRG	7/17/06	14:00	7/24/06	11:59	field blank contamination (0.0024 B mg/L)	328638
NG3SE16-016-(0-0.5) MSD	20607151513	MSD	SW6010B	total	S	Manganese	none (waived due to high parent conc)	TRG	7/16/06	12:40	7/18/06	20:31	high MS/MSD ave recovery (292%)	328261
NG3SE16-016-(0-0.5) MSD	20607151513	MSD	SW6010B	total	S	Manganese	J to RRs	TRG	7/16/06	12:40	7/18/06	20:31	poor MS/MSD precision (34 RPD)	328261
NG3SE-018-EB	20607151522	EQBK	SW6010B	total	W	Manganese	U to RRs <= 5 x BlankEquivConc (none)	TRG	7/17/06	14:00	7/24/06	11:52	equipment blank contamination (0.0007 B mg/L)	328638
NG3SE14-014-(0-0.5)(390484MSD)	390615	MSD	SW6010B	total	S	Molybdenum	J- / UJ to RRs/NDs	TRG	7/16/06	14:00	7/18/06	22:05	low MS/MSD ave recovery (62.5%)	328261
NG3SE16-016-(0-0.5) MSD	20607151513	MSD	SW6010B	total	S	Molybdenum	J- / UJ to RRs/NDs	TRG	7/16/06	12:40	7/18/06	20:31	low MS/MSD ave recovery (62%)	328261
NC2-019-FB	20607151506	FLDBK	SW6010B	total	W	Nickel	U to RRs <= 5 x BlankEquivConc (none)	TRG	7/17/06	14:00	7/24/06	11:59	field blank contamination (0.00076 B mg/L)	328638
NG3SE-018-EB	20607151522	EQBK	SW6010B	total	W	Nickel	U to RRs <= 5 x BlankEquivConc (none)	TRG	7/17/06	14:00	7/24/06	11:52	equipment blank contamination (0.0011 B mg/L)	328638
NG3SE16-016-(0-0.5) MSD	20607151513	MSD	SW6010B	total	S	Selenium	J- / UJ to RRs/NDs	TRG	7/16/06	12:40	7/18/06	20:31	low MS/MSD ave recovery (68.5%)	328261
MB for HBN 328055 [DIGM/12222]	390610	LB	SW6010B	total	S	Strontium	U to RRs <= 5 x BlankEquivConc (none)	TRG	7/16/06	12:40	7/18/06	19:52	laboratory blank contamination (0.051 B mg/kg)	328261
MB for HBN 328055 [DIGM/12222]	390610	LB	SW6010B	total	S	Titanium	U to RRs <= 5 x BlankEquivConc (none)	TRG	7/16/06	12:40	7/18/06	19:52	laboratory blank contamination (0.043 B mg/kg)	328261
MB for HBN 328056 [DIGM/12223]	390612	LB	SW6010B	total	S	Titanium	U to RRs <= 5 x BlankEquivConc (none)	TRG	7/16/06	14:00	7/18/06	21:41	laboratory blank contamination (0.04 B mg/kg)	328261
NG3SE16-016-(0-0.5) MSD	20607151513	MSD	SW6010B	total	S	Titanium	none (waived due to high parent conc)	TRG	7/16/06	12:40	7/18/06	20:31	extremely low MS/MSD ave recovery (18%)	328261
NG3SE16-016-(0-0.5) MSD	20607151513	MSD	SW6010B	total	S	Titanium	J to RRs	TRG	7/16/06	12:40	7/18/06	20:31	poor MS/MSD precision (32 RPD)	328261

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MB for HBN 328055 [DIGM/12222]	390610	LB	SW6010B	total	S	Zinc	U to RRs <= 5 x BlankEquivConc (none)	TRG	7/16/06	12:40	7/18/06	19:52	laboratory blank contamination (1.26 mg/kg)	328261
MB for HBN 328056 [DIGM/12223]	390612	LB	SW6010B	total	S	Zinc	U to RRs <= 5 x BlankEquivConc (none)	TRG	7/16/06	14:00	7/18/06	21:41	laboratory blank contamination (0.35 B mg/kg)	328261
NG3SE14-014-(0-0.5)(390484MSD)	390615	MSD	SW6010B	total	S	Zinc	none (waived due to high parent conc)	TRG	7/16/06	14:00	7/18/06	22:05	high MS/MSD ave recovery (148.5%)	328261
x	CCB6-071806-1712to2343	CCB	SW6010B			Zinc	U to RRs <= 5 x BlankEquivConc (none)	ICP			7/18/06	17:12-23:43	calibration blank contamination (0.038 mg/L, 1.52 mg/kg)	
MB for HBN 328057 [DIGM/12224]	390616	LB	SW7471A	total	S	Mercury	U to RRs <= 5 x BlankEquivConc	TRG	7/16/06	12:40	7/17/06	15:04	laboratory blank contamination (0.0046 B mg/kg)	328104
MB for HBN 328058 [DIGM/12225]	390618	LB	SW7471A	total	S	Mercury	U to RRs <= 5 x BlankEquivConc	TRG	7/16/06	14:00	7/17/06	15:35	laboratory blank contamination (0.0026 B mg/kg)	328104
x	2060719sv18a026	CCV1	SW8081A			4,4'-DDD	J+ to RRs (none)	Pest			7/19/06	19:39	calibration drift column 1 (%D= 27)	
x	2060719sv18b016	CCV2	SW8081A			4,4'-DDD	J+ to RRs	Pest			7/19/06	16:50	calibration drift column 2 (%D= 16)	
x	2060719sv17a002	CCV1	SW8081A			4,4'-DDT	J+ to RRs	Pest			7/19/06	9:49	calibration drift column 1 (%D= 17)	
x	2060719sv17a015	CCV1	SW8081A			4,4'-DDT	J+ to RRs	Pest			7/19/06	15:38	calibration drift column 1 (%D= 30)	
x	2060719sv17b014	CCV2	SW8081A			4,4'-DDT	J+ to RRs	Pest			7/19/06	15:38	calibration drift column 2 (%D= 16)	
x	2060719sv18a016	CCV1	SW8081A			4,4'-DDT	J+ to RRs	Pest			7/19/06	16:31	calibration drift column 1 (%D= 16)	
x	2060719sv18a026	CCV1	SW8081A			4,4'-DDT	J- to RRs	Pest			7/19/06	19:39	calibration drift column 1 (%D= -34)	
x	2060719sv18a042	CCV1	SW8081A			4,4'-DDT	J+ to RRs	Pest			7/20/06	15:37	calibration drift column 1 (%D= 26)	
x	2060719sv18b016	CCV2	SW8081A			4,4'-DDT	J+ to RRs	Pest			7/19/06	16:50	calibration drift column 2 (%D= 22)	
x	2060719sv18b044	CCV2	SW8081A			4,4'-DDT	J+ to RRs	Pest			7/20/06	17:05	calibration drift column 2 (%D= 23)	
x	2060719sv18a016	CCV1	SW8081A			alpha-BHC	J+ to RRs (none)	Pest			7/19/06	16:31	calibration drift column 1 (%D= 17)	
x	2060719sv18b016	CCV2	SW8081A			alpha-Chlordane	J+ to RRs (none)	Pest			7/19/06	16:50	calibration drift column 2 (%D= 16)	
NC2-019-FB	20607151506	FLDBK	SW8081A		W	delta-BHC	U to RRs <= 5 x BlankEquivConc (none)	TRG	7/16/06	9:30	7/18/06	11:47	field blank contamination (0.019 J ug/L)	328267
NG3SE-018-EB	20607151522	EQBK	SW8081A		W	delta-BHC	U to RRs <= 5 x BlankEquivConc (none)	TRG	7/16/06	9:30	7/18/06	12:08	equipment blank contamination (0.021 J ug/L)	328267

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x	2060719sv18a04 2	CCV1	SW8081A			Dieldrin	J- to RRs (none)	Pest			7/20/06	15:37	calibration drift column 1 (%D=-44)	
LCSD for HBN 328068 [EXTO/1418]	390755	LCSD	SW8081A		S	Endosulfan I	J- / UJ to RRs/NDs	TRG	7/17/06	12:00	7/19/06	11:35	low LCS/LCSD ave recovery (50%)	328618
NG3SE16-016-(0-0.5) MSD	20607151513	MSD	SW8081A		S	Endosulfan I	J- / UJ to RRs/NDs	TRG	7/17/06	12:00	7/19/06	12:09	low MS/MSD ave recovery (56.5%)	328618
NG3SE16-016-(0-0.5) MSD	20607151513	MSD	SW8081A		S	Endosulfan II	J- / UJ to RRs/NDs	TRG	7/17/06	12:00	7/19/06	12:09	low MS/MSD ave recovery (57%)	328618
x	2060719sv17a01 5	CCV1	SW8081A			Endosulfan sulfate	J+ to RRs (none)	Pest			7/19/06	15:38	calibration drift column 1 (%D=19)	
x	2060719sv18a04 2	CCV1	SW8081A			Endosulfan sulfate	J+ to RRs (none)	Pest			7/20/06	15:37	calibration drift column 1 (%D=19)	
x	2060719sv18b01 6	CCV2	SW8081A			Endosulfan sulfate	J+ to RRs (none)	Pest			7/19/06	16:50	calibration drift column 2 (%D=19)	
x	2060719sv18b04 4	CCV2	SW8081A			Endosulfan sulfate	J+ to RRs (none)	Pest			7/20/06	17:05	calibration drift column 2 (%D=17)	
x	2060719sv18b04 4	CCV2	SW8081A			Endrin	J+ to RRs (none)	Pest			7/20/06	17:05	calibration drift column 2 (%D=17)	
x	2060719sv18b01 6	CCV2	SW8081A			Endrin	J+ to RRs	Pest			7/19/06	16:50	calibration drift column 2 (%D=24)	
x	2060719sv17a01 5	CCV1	SW8081A			Endrin ketone	J+ to RRs (none)	Pest			7/19/06	15:38	calibration drift column 1 (%D=22)	
x	2060719sv18a01 6	CCV1	SW8081A			Endrin ketone	J+ to RRs (none)	Pest			7/19/06	16:31	calibration drift column 1 (%D=17)	
x	2060719sv18a04 2	CCV1	SW8081A			Endrin ketone	J+ to RRs (none)	Pest			7/20/06	15:37	calibration drift column 1 (%D=21)	
x	2060719sv18a04 2	CCV1	SW8081A			Heptachlor	J+ to RRs (none)	Pest			7/20/06	15:37	calibration drift column 1 (%D=17)	
x	2060719sv18b01 6	CCV2	SW8081A			Heptachlor	J+ to RRs (none)	Pest			7/19/06	16:50	calibration drift column 2 (%D=18)	
x	2060719sv17a01 5	CCV1	SW8081A			Methoxychlor	J+ to RRs (none)	Pest			7/19/06	15:38	calibration drift column 1 (%D=30)	
x	2060719sv18a01 6	CCV1	SW8081A			Methoxychlor	J+ to RRs (none)	Pest			7/19/06	16:31	calibration drift column 1 (%D=21)	
x	2060719sv18a02 6	CCV1	SW8081A			Methoxychlor	J- to RRs (none)	Pest			7/19/06	19:39	calibration drift column 1 (%D=-20)	
x	2060719sv18b01 6	CCV2	SW8081A			Methoxychlor	J+ to RRs (none)	Pest			7/19/06	16:50	calibration drift column 2 (%D=33)	
x	2060719sv18b04 4	CCV2	SW8081A			Methoxychlor	J+ to RRs (none)	Pest			7/20/06	17:05	calibration drift column 2 (%D=28)	

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NB2SE06-006-(0-0.5)	20607151518	SMP	SW8081A		S	Tetrachloro-m-xylene	none (only one of multiple surrogates is deficient)	SUR	7/17/06	12:00	7/20/06	10:57	low SU recovery (56%)	328618
NC1SE09-009-(0-0.5)	20607151519	SMP	SW8081A		S	Tetrachloro-m-xylene	none (only one of multiple surrogates is deficient)	SUR	7/20/06	21:30	7/26/06	12:21	low SU recovery (52%)	328877
NC2SE10-010-(0-0.5)	20607151520	SMP	SW8081A		S	Tetrachloro-m-xylene	none (only one of multiple surrogates is deficient)	SUR	7/17/06	12:00	7/20/06	11:35	low SU recovery (54%)	328618
x	2060719sv18a01 7	CCV1	SW8082			AR 1016-Peak4	J+ to RRs	Aro			7/19/06	16:50	calibration drift (%D= 18)	
NG3SE16-016-(0-0.5) MSD	20607151513	MSD	SW8082		S	Aroclor-1016	J- / UJ to RRs/NDs	TRG	7/17/06	12:00	7/20/06	10:39	low MS/MSD ave recovery (54.5%)	328620
x	G6505	CCV1	SW8260B			1,1,2,2-Tetrachloroethane	J- / UJ to RRs/NDs	VOC			7/25/06	7:30	calibration drift (%D= -27)	
x	G6505	CCV1	SW8260B			1,2,3-Trichloropropane	J- / UJ to RRs/NDs	VOC			7/25/06	7:30	calibration drift (%D= -25)	
NG3SE16-016-(0-0.5) MSD	20607151513	MSD	SW8260B		S	1,2-Dibromo-3-chloropropane	J to RRs (none)	TRG			7/19/06	14:37	poor MS/MSD precision (44 RPD)	328308
x	G6505	CCV1	SW8260B			1,2-Dibromo-3-chloropropane	J- / UJ to RRs/NDs	VOC			7/25/06	7:30	calibration drift (%D= -36)	
x	V4323	CCV1	SW8260B			1,2-Dibromo-3-chloropropane	J+ to RRs (none)	VOC			7/19/06	9:30	calibration drift (%D= 24)	
LCSD for HBN 328390 [MSV/8716]	392250	LCSD	SW8260B		S	2-Butanone	J to RRs	TRG			7/20/06	9:09	poor LCS/LCSD precision (44 RPD)	328390
NG3SE16-016-(0-0.5) MSD	20607151513	MSD	SW8260B		S	2-Butanone	J to RRs	TRG			7/19/06	14:37	poor MS/MSD precision (64 RPD)	328308
NSED-002-TB	20607151523	TRIPBK	SW8260B		W	2-Butanone	U to RRs <= 5 x BlankEquivConc	TRG			7/16/06	12:13	trip blank contamination (2.8 J ug/L)	328041
x	V4296	ICAL1	SW8260B			2-Butanone	J / UJ to RRs/NDs	VOC			7/18/06	8:55	poor calibration fit (%RSD=27)	
NG3SE16-016-(0-0.5) MSD	20607151513	MSD	SW8260B		S	2-Hexanone	J to RRs (none)	TRG			7/19/06	14:37	poor MS/MSD precision (48 RPD)	328308
x	V4323	CCV1	SW8260B			4-Isopropyltoluene	J+ to RRs (none)	VOC			7/19/06	9:30	calibration drift (%D= 24)	
MB for HBN 328390 [MSV/8716]	392248	LB	SW8260B		S	Acetone	U to RRs <= 10 x BlankEquivConc	TRG			7/20/06	9:58	laboratory blank contamination (10.1 J ug/Kg)	328390
LCSD for HBN 328390 [MSV/8716]	392250	LCSD	SW8260B		S	Acetone	J+ to RRs	TRG			7/20/06	9:09	high LCS/LCSD ave recovery (156%)	328390
x	V4323	CCV1	SW8260B			Acetone	J+ to RRs	VOC			7/19/06	9:30	calibration drift (%D= 32)	
x	V4355	CCV1	SW8260B			Acetone	J+ to RRs	VOC			7/20/06	8:06	calibration drift (%D= 41)	

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NG3SE16-016-(0-0.5) MSD	20607151513	MSD	SW8260B		S	Acrolein	J- / UJ to RRs/NDs	TRG			7/19/06	14:37	low MS/MSD ave recovery (11%)	328308
NG3SE16-016-(0-0.5) MSD	20607151513	MSD	SW8260B		S	Acrolein	J to RRs (none)	TRG			7/19/06	14:37	poor MS/MSD precision (69 RPD)	328308
NG3SE16-016-(0-0.5) MSD	20607151513	MSD	SW8260B		S	Acrylonitrile	J to RRs (none)	TRG			7/19/06	14:37	poor MS/MSD precision (58 RPD)	328308
x	V4296	ICAL1	SW8260B			Acrylonitrile	J / UJ to RRs/NDs	VOC			7/18/06	8:55	poor calibration fit (%RSD=19)	
NG3SE16-016-(0-0.5) MSD	20607151513	MSD	SW8260B		S	Benzene	J+ to RRs (none)	TRG			7/19/06	14:37	high MS/MSD ave recovery (147.5%)	328308
x	V4355	CCV1	SW8260B			Carbon tetrachloride	J+ to RRs (none)	VOC			7/20/06	8:06	calibration drift (%D= 40)	
NG3SE16-016-(0-0.5) MSD	20607151513	MSD	SW8260B		S	Cyclohexane	J+ to RRs (none)	TRG			7/19/06	14:37	high MS/MSD ave recovery (155.5%)	328308
NG3SE16-016-(0-0.5) MSD	20607151513	MSD	SW8260B		S	Hexachlorobutadiene	J to RRs (none)	TRG			7/19/06	14:37	poor MS/MSD precision (45 RPD)	328308
x	V4323	CCV1	SW8260B			Hexachlorobutadiene	J+ to RRs (none)	VOC			7/19/06	9:30	calibration drift (%D= 23)	
x	V4323	CCV1	SW8260B			Isopropylbenzene	J+ to RRs (none)	VOC			7/19/06	9:30	calibration drift (%D= 21)	
x	V4355	CCV1	SW8260B			Methyl iodide	J+ to RRs (none)	VOC			7/20/06	8:06	calibration drift (%D= 34)	
MB for HBN 328308 [MSV/8709]	391654	LB	SW8260B		S	Methylene chloride	U to RRs <= 10 x BlankEquivConc	TRG			7/19/06	12:00	laboratory blank contamination (4.19 J ug/Kg)	328308
MB for HBN 328390 [MSV/8716]	392248	LB	SW8260B		S	Methylene chloride	U to RRs <= 10 x BlankEquivConc	TRG			7/20/06	9:58	laboratory blank contamination (2.15 J ug/Kg)	328390
NC2-019-FB	20607151506	FLDBK	SW8260B		W	Methylene chloride	U to RRs <= 10 x BlankEquivConc	TRG			7/16/06	10:06	field blank contamination (5.48 JB ug/L)	328041
NG3SE-018-EB	20607151522	EQBK	SW8260B		W	Methylene chloride	U to RRs <= 10 x BlankEquivConc	TRG			7/16/06	11:47	equipment blank contamination (5.89 JB ug/L)	328041
NSED-002-TB	20607151523	TRIPBK	SW8260B		W	Methylene chloride	U to RRs <= 10 x BlankEquivConc	TRG			7/16/06	12:13	trip blank contamination (6.28 JB ug/L)	328041
MB for HBN 328308 [MSV/8709]	391654	LB	SW8260B		S	Naphthalene	U to RRs <= 5 x BlankEquivConc	TRG			7/19/06	12:00	laboratory blank contamination (3.35 J ug/Kg)	328308
MB for HBN 328390 [MSV/8716]	392248	LB	SW8260B		S	Naphthalene	U to RRs <= 5 x BlankEquivConc	TRG			7/20/06	9:58	laboratory blank contamination (3.31 J ug/Kg)	328390
x	v4324	CCV2	SW8260B			n-Butyl alcohol	J+ to RRs (none)	App9			7/19/06	10:18	calibration drift (%D= 42)	
x	V4354	CCV2	SW8260B			n-Butyl alcohol	J+ to RRs (none)	App9			7/20/06	7:42	calibration drift (%D= 23)	

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x	V4323	CCV1	SW8260B		n-Butylbenzene	J+ to RRs (none)	VOC			7/19/06	9:30	calibration drift (%D= 28)	
x	V4323	CCV1	SW8260B		Tetrachloroethene	J+ to RRs (none)	VOC			7/19/06	9:30	calibration drift (%D= 24)	
x	G6505	CCV1	SW8260B		trans-1,4-Dichloro-2-butene	J- / UJ to RRs/NDs	VOC			7/25/06	7:30	calibration drift (%D= -22)	
NG3SE16-016-(0-0.5) MSD	20607151513	MSD	SW8260B	S	Vinyl acetate	J- / UJ to RRs/NDs	TRG			7/19/06	14:37	low MS/MSD ave recovery (20.5%)	328308
LCSD for HBN 328071 [EXTO/1419]	390766	LCSD	SW8270C	S	2,4-Dinitrophenol	J- / UJ to RRs/NDs	TRG	7/17/06	16:00	7/20/06	8:50	low LCS/LCSD ave recovery (35%)	328333
LCSD for HBN 328526 [EXTO/1426]	393027	LCSD	SW8270C	S	2,4-Dinitrophenol	J- / UJ to RRs/NDs	TRG	7/20/06	15:00	7/21/06	15:42	low LCS/LCSD ave recovery (40.5%)	328495
NG3SE16-016-(0-0.5) MSD	20607151513	MSD	SW8270C	S	2,4-Dinitrophenol	J- / UJ to RRs/NDs	TRG	7/20/06	15:00	7/21/06	16:29	low MS/MSD ave recovery (52.5%)	328495
LCSD for HBN 328071 [EXTO/1419]	390766	LCSD	SW8270C	S	4,6-Dinitro-2-methylphenol	J- / UJ to RRs/NDs	TRG	7/17/06	16:00	7/20/06	8:50	low LCS/LCSD ave recovery (51.5%)	328333
LCSD for HBN 328526 [EXTO/1426]	393027	LCSD	SW8270C	S	4-Chloroaniline	J- / UJ to RRs/NDs	TRG	7/20/06	15:00	7/21/06	15:42	low LCS/LCSD ave recovery (54.5%)	328495
NC2-019-FB	20607151506	FLDBK	SW8270C	W	4-Chloroaniline	U to RRs <= 5 x BlankEquivConc (none)	TRG	7/16/06	9:30	7/16/06	22:27	field blank contamination (1.39 J ug/L)	328078
NG3SE16-016-(0-0.5) MSD	20607151513	MSD	SW8270C	S	4-Chloroaniline	J- / UJ to RRs/NDs	TRG	7/20/06	15:00	7/21/06	16:29	low MS/MSD ave recovery (46%)	328495
LCSD for HBN 328071 [EXTO/1419]	390766	LCSD	SW8270C	S	4-Nitrophenol	J- / UJ to RRs/NDs	TRG	7/17/06	16:00	7/20/06	8:50	low LCS/LCSD ave recovery (45.5%)	328333
NG3SE16-016-(0-0.5) MSD	20607151513	MSD	SW8270C	S	Aniline	J- / UJ to RRs/NDs	TRG	7/20/06	15:00	7/21/06	16:29	low MS/MSD ave recovery (50%)	328495
x	B2598	CCV1	SW8270C		Benzaldehyde	J+ to RRs (none)	SVOC			7/21/06	9:40	calibration drift (%D= 69)	
x	D0478	ICAL1	SW8270C		Benzaldehyde	J / UJ to RRs/NDs	SVOC			7/19/06	10:46	poor calibration fit (%RSD=66)	
x	D0523	CCV1	SW8270C		Benzaldehyde	J+ to RRs (none)	SVOC			7/20/06	6:21	calibration drift (%D= 48)	
LCSD for HBN 328071 [EXTO/1419]	390766	LCSD	SW8270C	S	Benzidine	J- / UJ to RRs/NDs	TRG	7/17/06	16:00	7/20/06	8:50	low LCS/LCSD ave recovery (45.5%)	328333
NG3SE16-016-(0-0.5) MSD	20607151513	MSD	SW8270C	S	Benzidine	J- / UJ to RRs/NDs	TRG	7/20/06	15:00	7/21/06	16:29	low MS/MSD ave recovery (10%)	328495
NG3SE16-016-(0-0.5) MSD	20607151513	MSD	SW8270C	S	Benzidine	J to RRs (none)	TRG	7/20/06	15:00	7/21/06	16:29	poor MS/MSD precision (79 RPD)	328495
x	D0478	ICAL1	SW8270C		Benzidine	J / UJ to RRs/NDs	SVOC			7/19/06	10:46	poor calibration fit (%RSD=49)	

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x	B2547	ICAL1	SW8270C			Benzo(a)pyrene	J / UJ to RRs/NDs	SVOC			7/20/06	9:35	poor calibration fit (%RSD=26)	
x	D0478	ICAL1	SW8270C			Benzo(a)pyrene	J / UJ to RRs/NDs	SVOC			7/19/06	10:46	poor calibration fit (%RSD=17)	
NG3SE16-016-(0-0.5) MSD	20607151513	MSD	SW8270C		S	Benzo(g,h,i)perylene	J- / UJ to RRs/NDs	TRG	7/20/06	15:00	7/21/06	16:29	low MS/MSD ave recovery (45%)	328495
LCSD for HBN 328071 [EXTO/1419]	390766	LCSD	SW8270C		S	Benzoic acid	J- / UJ to RRs/NDs	TRG	7/17/06	16:00	7/20/06	8:50	low LCS/LCSD ave recovery (48.5%)	328333
LCSD for HBN 328526 [EXTO/1426]	393027	LCSD	SW8270C		S	Benzoic acid	J- / UJ to RRs/NDs	TRG	7/20/06	15:00	7/21/06	15:42	low LCS/LCSD ave recovery (58%)	328495
NG3SE16-016-(0-0.5) MSD	20607151513	MSD	SW8270C		S	Benzoic acid	J- / UJ to RRs/NDs	TRG	7/20/06	15:00	7/21/06	16:29	low MS/MSD ave recovery (33.5%)	328495
MB for HBN 328526 [EXTO/14269]	393025	LB	SW8270C		S	Bis(2-Ethylhexyl)phthalate	U to RRs <= 10 x BlankEquivConc	TRG	7/20/06	15:00	7/21/06	15:10	laboratory blank contamination (64.2 J ug/Kg)	328495
NG3SE-018-EB	20607151522	EQBK	SW8270C		W	Bis(2-Ethylhexyl)phthalate	U to RRs <= 10 x BlankEquivConc	TRG	7/16/06	9:30	7/16/06	22:42	equipment blank contamination (2.21 JB ug/L)	328078
NG3SE16-016-(0-0.5) MSD	20607151513	MSD	SW8270C		S	Dibenz(a,h)anthracene	J- / UJ to RRs/NDs	TRG	7/20/06	15:00	7/21/06	16:29	low MS/MSD ave recovery (56.5%)	328495
NG3SE-018-EB	20607151522	EQBK	SW8270C		W	Dibenz(a,h)anthracene	U to RRs <= 5 x BlankEquivConc	TRG	7/16/06	9:30	7/16/06	22:42	equipment blank contamination (1.05 J ug/L)	328078
NG3SE-018-EB	20607151522	EQBK	SW8270C		W	Di-n-butyl phthalate	U to RRs <= 10 x BlankEquivConc	TRG	7/16/06	9:30	7/16/06	22:42	equipment blank contamination (0.789 JB ug/L)	328078
LCSD for HBN 328071 [EXTO/1419]	390766	LCSD	SW8270C		S	Hexachlorocyclopentadiene	J- / UJ to RRs/NDs	TRG	7/17/06	16:00	7/20/06	8:50	low LCS/LCSD ave recovery (48.5%)	328333
LCSD for HBN 328071 [EXTO/1419]	390766	LCSD	SW8270C		S	Hexachloroethane	J- / UJ to RRs/NDs	TRG	7/17/06	16:00	7/20/06	8:50	low LCS/LCSD ave recovery (53%)	328333
NG3SE16-016-(0-0.5) MSD	20607151513	MSD	SW8270C		S	Hexachloroethane	J- / UJ to RRs/NDs	TRG	7/20/06	15:00	7/21/06	16:29	low MS/MSD ave recovery (59.5%)	328495
LCSD for HBN 328071 [EXTO/1419]	390766	LCSD	SW8270C		S	n-Nitrosodimethylamine	J- / UJ to RRs/NDs	TRG	7/17/06	16:00	7/20/06	8:50	low LCS/LCSD ave recovery (56%)	328333
x	D0478	ICAL1	SW8270C			n-Nitrosodimethylamine	J / UJ to RRs/NDs	SVOC			7/19/06	10:46	poor calibration fit (%RSD=25)	
x	D0478	ICAL1	SW8270C			N-Nitroso-di-n-propylamine	J / UJ to RRs/NDs	SVOC			7/19/06	10:46	poor calibration fit (%RSD=21)	
LCSD for HBN 328071 [EXTO/1419]	390766	LCSD	SW8270C		S	Pentachlorophenol	J- / UJ to RRs/NDs	TRG	7/17/06	16:00	7/20/06	8:50	low LCS/LCSD ave recovery (56%)	328333
LCSD for HBN 328526 [EXTO/1426]	393027	LCSD	SW8270C		S	Phenol	J- / UJ to RRs/NDs	TRG	7/20/06	15:00	7/21/06	15:42	low LCS/LCSD ave recovery (59%)	328495
x	D0478	ICAL1	SW8270C			Phenol	J / UJ to RRs/NDs	SVOC			7/19/06	10:46	poor calibration fit (%RSD=16)	

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NG3SE16-016-(0-0.5) MSD	20607151513	MSD	SW8270C		S	Pyrene	J- / UJ to RRs/NDs	TRG	7/20/06	15:00	7/21/06	16:29	low MS/MSD ave recovery (57.5%)	328495
LCSD for HBN 328071 [EXTO/1419]	390766	LCSD	SW8270C		S	Pyridine	J- / UJ to RRs/NDs	TRG	7/17/06	16:00	7/20/06	8:50	low LCS/LCSD ave recovery (52%)	328333
x	D0478	ICAL1	SW8270C			Pyridine	J / UJ to RRs/NDs	SVOC			7/19/06	10:46	poor calibration fit (%RSD=27)	
NG4SE17-017 (0-0.5)	20607151504	SMP	SW8270C		S	2,4,6-Tribromophenol	none (only one of multiple surrogates is deficient)	SUR	7/17/06	16:00	7/20/06	9:51	low acid SU recovery (52%)	328333
NG2SE15-015 (0-0.5)	20607151505	SMP	SW8270C		S	2,4,6-Tribromophenol	none (only one of multiple surrogates is deficient)	SUR	7/17/06	16:00	7/20/06	10:06	low acid SU recovery (58%)	328333
NA2SE02-002-(0-0.5)	20607151507	SMP	SW8270C		S	2,4,6-Tribromophenol	none (only one of multiple surrogates is deficient)	SUR	7/17/06	16:00	7/20/06	10:21	low acid SU recovery (54%)	328333
NA3SE03-003-(0-0.5)	20607151508	SMP	SW8270C		S	2,4,6-Tribromophenol	none (only one of multiple surrogates is deficient)	SUR	7/17/06	16:00	7/20/06	12:07	low acid SU recovery (39%)	328333
NA4SE04-004-(0-0.5)	20607151509	SMP	SW8270C		S	2,4,6-Tribromophenol	none (only one of multiple surrogates is deficient)	SUR	7/17/06	16:00	7/20/06	12:22	low acid SU recovery (53%)	328333
NB3SE07-007-(0-0.5)	20607151510	SMP	SW8270C		S	2,4,6-Tribromophenol	none (only one of multiple surrogates is deficient)	SUR	7/17/06	16:00	7/20/06	12:37	low acid SU recovery (46%)	328333
NB3SE07-007-(0-0.5)	20607151510	SMP	SW8270C		S	Nitrobenzene-d5	none (only one of multiple surrogates is deficient)	SUR	7/17/06	16:00	7/20/06	12:37	low base/neutral SU recovery (59%)	328333
NG3SE16-016-(0-0.5)	20607151511	SMP	SW8270C		S	2,4,6-Tribromophenol	none (only one of multiple surrogates is deficient)	SUR	7/20/06	15:00	7/21/06	15:58	low acid SU recovery (59%)	328495
NG3SE16-016-(0-0.5)	20607151511	SMP	SW8270C		S	Terphenyl-d14	none (only one of multiple surrogates is deficient)	SUR	7/20/06	15:00	7/21/06	15:58	low base/neutral SU recovery (166%)	328495
NG1SE14-014-(0-0.5)	20607151514	SMP	SW8270C		S	2-Fluorobiphenyl	J- / UJ to RRs/NDs for B/N (non-phenolic) analytes	SUR	7/17/06	16:00	7/20/06	14:08	low base/neutral SU recovery (57%)	328333
NG1SE14-014-(0-0.5)	20607151514	SMP	SW8270C		S	Nitrobenzene-d5	J- / UJ to RRs/NDs for B/N (non-phenolic) analytes	SUR	7/17/06	16:00	7/20/06	14:08	low base/neutral SU recovery (55%)	328333
NF4SE13-013-(0-0.5)	20607151515	SMP	SW8270C		S	2,4,6-Tribromophenol	none (only one of multiple surrogates is deficient)	SUR	7/17/06	16:00	7/20/06	14:24	low acid SU recovery (59%)	328333
NA1SE01-001-(0-0.5)	20607151516	SMP	SW8270C		S	Nitrobenzene-d5	none (only one of multiple surrogates is deficient)	SUR	7/17/06	16:00	7/20/06	14:39	low base/neutral SU recovery (59%)	328333
NB2SE06-006-(0-0.5)	20607151518	SMP	SW8270C		S	2-Fluorobiphenyl	J- / UJ to RRs/NDs for B/N (non-phenolic) analytes	SUR	7/17/06	16:00	7/20/06	16:00	low base/neutral SU recovery (58%)	328333
NB2SE06-006-(0-0.5)	20607151518	SMP	SW8270C		S	Nitrobenzene-d5	J- / UJ to RRs/NDs for B/N (non-phenolic) analytes	SUR	7/17/06	16:00	7/20/06	16:00	low base/neutral SU recovery (58%)	328333
NC2SE10-010-(0-0.5)	20607151520	SMP	SW8270C		S	2,4,6-Tribromophenol	none (only one of multiple surrogates is deficient)	SUR	7/17/06	16:00	7/20/06	16:30	low acid SU recovery (54%)	328333
NC2SE10-010-(0-0.5)	20607151520	SMP	SW8270C		S	2-Fluorobiphenyl	J- / UJ to RRs/NDs for B/N (non-phenolic) analytes	SUR	7/17/06	16:00	7/20/06	16:30	low base/neutral SU recovery (56%)	328333

ATTACHMENT 1

NC2SE10-010-(0-0.5)	20607151520	SMP	SW8270C		S	Nitrobenzene-d5	J- UJ to RRs/NDs for B/N (non-phenolic) analytes	SUR	7/17/06	16:00	7/20/06	16:30	low base/neutral SU recovery (57%)	328333
NC3SE11-011-(0-0.5)	20607151521	SMP	SW8270C		S	2,4,6-Tribromophenol	none (only one of multiple surrogates is deficient)	SUR	7/17/06	16:00	7/20/06	16:46	low acid SU recovery (58%)	328333

DATA VALIDATION CHECKLIST (Level III and Level IV)				
ITEM	Yes	No	NA	Comment Number
Client Name: Pastor, Behling, & Wheeler				Project Number: 1352
Property Location: Gulfco Superfund Site				Project Manager: Eric Pastor
Laboratory: GCAL – Baton Rouge, LA				Laboratory Job No.: 206062937 + revision
Reviewer: Taryn Scholz (QAA, L.L.C.)				Date Checked: 8/11/06 and 9/8/06
Chain of Custody (COC) and Sample Receipt at Lab				
1. Signed COCs included and seals used?	x			
2. Date and time of sample collection included?	x			
3. All samples listed on the COC analyzed for in accordance with the RI/FS Work Plan?	x			
4. Field QC sample frequency met project requirements?	x			
5. Sample receipt temperature 2-6°C?	x			
6. Samples preserved appropriately?	x			
7. Samples received within 2 days of collection?	x			
8. No problems noted?	x			
Laboratory Report and Data Package				
9. Signed Case Narrative included?	x			
10. No analytical discrepancies noted in case narrative?		x		10.
11. Elevated reporting limits justified?	x			11.
12. MDLs reasonable per DCS?	x			
13. Calibration data acceptable?		x		see attached
14. ICV and CCV recoveries within project control limits?		x		see attached
15. ICB and CCB results <RL (MQL)?	x			
16. Internal standard areas within project control limits?	x			
Laboratory EDD				
17. Field sample IDs included?	x			
18. Laboratory sample IDs included?	x			
19. Date of analysis included?	x			
20. Date of sample preparation included?	x			
21. Samples prepared within holding time?	x			
22. Samples analyzed within holding time?	x			
23. Detection limit and quantitation limit included?	x			
24. Project target limits achieved?	x			
25. No elevated reporting limits?		x		11.
26. Method references included?	x			
27. Sample matrix included?	x			
28. Sample result units reported correctly?	x			
29. Soil/ sediment results corrected for dry-weight?	x			
30. Method blank results <RL (MDL)?		x		see attached
31. Equipment and Trip blank results <RL (MDL)?		x		see attached
32. All COIs included in LCS?	x			32.
33. LCS recovery within project control limits?		x		see attached
34. MS/MSD recoveries within project control limits?		x		see attached
35. LCS/LCSD RPDs within project control limits?		x		see attached
36. MS/MSD RPDs within project control limits?	x			
37. Laboratory duplicate RPDs/Diffs within project control limits?	x			
38. Field duplicate RPDs/Diffs within project control limits?		x		see attached
39. Surrogate recoveries within project control limits?		x		see attached
40. Completeness percentage within project limits?	x			

<p>Definitions:</p> <p>CCB – Continuing Calibration Blank; CCV – Continuing Calibration Verification; COI – Compounds of Interest; DCS – Detectability Check Sample; ICB – Initial Calibration Blank; ICV – Initial Calibration Verification; LCS – Laboratory Control Sample; LCSD – Laboratory Control Sample Duplicate; MDL – Method Detection Limit; MS/MSD – Matrix Spike/Matrix Spike Duplicate; RL – Reporting Limit; RPD – Relative Percent Difference</p>				
COMMENTS				
Level IV Check - GC/MS RRF for instrument calibration also included in Level III checks after deficiencies noted in first samples – see attached for deficiencies noted				
10. Issues noted for all parameters. All are based on laboratory limits, which do not affect flagging for this site, except:				
AROCLOR – forgot spike in LCS/D and not enough to RE (326852) – this is batch for EQBK only				
11. VOC - All samples analyzed at 50x (med level) for 2CEV and n-Butanol due to ICAL failure for low level analysis.				
32. All analytes routinely spiked by lab are included as per QAPP. This is every TA except n-Butyl alcohol, Toxaphene, and the 5 middle Aroclors.				

DATA VALIDATION CHECKLIST (Level IV only)				
Client Name: Pastor, Behling, & Wheeler	Project Number: 1352			
Property Location: Gulfco Superfund Site	Project Manager: Eric Pastor			
Laboratory: GCAL – Baton Rouge, LA	Laboratory Job No.: 206062937			
Reviewer: Taryn Scholz (QAA, L.L.C.)	Date Checked: 8/11/06			
ITEM	Yes	No	NA	Comment Number
Laboratory Report and Raw Data Package				
1. Sample results calculated and transcribed correctly?	x			1.
2. QC parameters calculated and reported correctly?	x			2.
3. Pesticide breakdown \leq 15%?	x			
4. GC/MS tuning performance within criteria?	x			
5. GC/MS RRF above minimum project requirements?			x	see Level III
6. ICP ICS recoveries within criteria?	x			
7. ICP ICB/CCB absolute value of results $<$ MQL?	x			
8. GC qualitative identification criteria met?	x			8.
9. GC/MS qualitative identification criteria met?	x			
10. GC second confirmation RPD criteria met?	x			
COMMENTS				
<p>1. VOCs were analyzed both as low level soils (unheated purge of 5g soil in 5 mls water) and as high level soils (heated purge of 100 ul of methanol extract from 5g soil in 5 mls water). All but two of the target analytes (2-Chloroethyl vinyl ether and 2- Butyl alcohol) are reported from the low level analysis. This was done because the laboratory was unable to adequately calibrate the heated purge instrument for these two analytes, not because of high levels of target analytes. The raw data indicates that a few analytes may have been detected in the high level (methanol extract) analysis that are reported as non-detects in the low level analysis. The validator tabulated these amounts for all the VOC samples in this SDG and in 206062938, which also contains sediments analyzed in this fashion. The affected analytes are primarily Methylene Chloride and Methyl acetate, which appear in several of the high level analyses and are likely laboratory artifacts according to GCAL, along with one case each of Naphthalene, Acrylonitrile, and 2-Butanone (all below the MQL). In every case, the amount is considered insignificant since the low level analysis (which is the applicable and requested method except in cases of high concentrations of target analytes) shows not detected and the amounts are well below the Preliminary Screening Values. Thus, the validator did not take any additional action.</p> <p>2. On page 69 of hardcopy report, IS areas for 7/8/06 pm shift taken from B5484 which is the App9 CCV run before samples. A standard ICAL (with the 74 other TAs) was run right before this. Sample areas compare well to both the App9 CCV and the ICAL 50-ppb standard.</p> <p>8. Several Pesticides were found to have RTs outside the default +/-0.03 min window. The laboratory was contacted to confirm identification. Their review found that the RT window had been inadvertently set too wide and revisions were submitted in a new EDD, which also contained the non-Pesticide data. Since the original data had already been validated and flagged, the original EDD (206062937 submitted on 8/10/06) was retained for the non-Pesticide data. The Pesticide data in the original EDD was marked with a QC comment of 'NA – revised Pesticide data submitted in 206062937rev'. Similarly, the non-Pesticide data in the revised EDD (206062937rev submitted on 9/8/06) was marked with a QC comment of 'NA – record validated in original submission 206062937'. Based on their findings, the laboratory also re-examined all other Pesticide data analyzed during this time period and revised data was submitted for other SDGs. (see checklists for individual SDGs to see if affected and how revised data handled)</p>				

SET SUMMARY
Laboratory Job No.: 206062937

10	Number of Field Samples including Field Duplicates (1)
1	Number of Field MS/MSD Pairs
1	Number of Equipment Rinsate Blanks
0	Number of Field Blanks
1	Number of VOC Trip Blanks
6	Number of Parameters (VOC, SVOC, Pesticides, Aroclors, Metals, TOC)
199	Number of Target Analytes per Sample
1990	Total Measurements for Field Samples
1728	Number of measurements with no validation qualifier (i.e., "none" in EDD)
187	Number of measurements with UJ flag (for various analytes due to low laboratory and/or matrix spike recovery; poor calibration fit and/or calibration drift)
20	Number of measurements with UJ flag and an elevated SDL (for Acrolein and n-Butyl alcohol due to poor instrument response, i.e., low RRF)
4	Number of measurements with J- flag (for Antimony due to extremely low matrix spike recovery)
27	Number of measurements with J flag (due solely to result being between the SDL and SQL)
7	Number of measurements with J flag (due to result being between the SDL and SQL plus extremely low matrix spike recovery for six Antimony results and calibration drift for one 4,4'-DDT result)
4	Number of measurements with J flag (for TOC due to poor field duplicate precision)
0	Number of measurements with J+ flag
13	Number of measurements with U flag (due to blank contamination; analytes affected include Acetone and Bis(2-Ethylhexyl)phthalate)
0	Number of measurements with NS flag
0	Number of measurements with R flag
100%	Completeness-to-date on a sample level (percentage of sediment samples with usable data, project goal 90%)
100%	Completeness-to-date on an analyte level (percentage of sediment samples with usable data for a specific analyte, project goal 80%) – all target analytes

Usability: All data suitable as qualified for the intended use. Data for Acrolein and n-Butyl alcohol usable with an elevated reporting limit for the non-detects (as given in the Electronic Data Deliverable).

QUALIFIED DATA TABLE

Field Sample Identification	Analyte	Data Qualifier	Reason for Qualification
IWSE21-021-(0-0.5)	Antimony	J-	extremely low MS/MSD recovery (26.5%)
IWSE21-021-(0-0.5)	Molybdenum	J	result between SDL and SQL
IWSE21-021-(0-0.5)	Mercury	J	result between SDL and SQL
IWSE21-021-(0-0.5)	1,2,4-Trimethylbenzene	J	result between SDL and SQL
IWSE21-021-(0-0.5)	1,2-Dichloroethane	UJ	calibration drift (%D= -21)
IWSE21-021-(0-0.5)	1,4-Dichlorobenzene	J	result between SDL and SQL
IWSE21-021-(0-0.5)	Acetone	U	trip blank contamination (25.7 ug/L); equipment blank contamination (5.98 J ug/L); result between SDL and SQL; calibration drift (%D= 28)
IWSE21-021-(0-0.5)	Acrolein	UJ	low instrument response (low RRF); elevate SDL for NDs 5x (Sed); calibration drift (%D= -36); low ave MS/MSD recovery (50%)
IWSE21-021-(0-0.5)	Acrylonitrile	UJ	calibration drift (%D= -23)
IWSE21-021-(0-0.5)	Bromomethane	UJ	calibration drift (%D= -23)
IWSE21-021-(0-0.5)	Methyl Acetate	UJ	calibration drift (%D= -27)
IWSE21-021-(0-0.5)	Vinyl acetate	UJ	low ave MS/MSD recovery (44.5%)
IWSE21-021-(0-0.5)	Vinyl chloride	UJ	poor calibration fit (%RSD=19)
IWSE21-021-(0-0.5)	Xylene (total)	J	result between SDL and SQL
IWSE21-021-(0-0.5)	m,p-Xylene	J	result between SDL and SQL
IWSE21-021-(0-0.5)	2-Chloroethylvinyl ether	UJ	poor calibration fit (%RSD=26)
IWSE21-021-(0-0.5)	n-Butyl alcohol	UJ	low instrument response (low RRF); elevate SDL for NDs 2x (SW) or 50x (Sed)
IWSE21-021-(0-0.5)	2,4-Dinitrophenol	UJ	low ave LCS/LCSD recovery (57%)
IWSE21-021-(0-0.5)	3-Nitroaniline	UJ	low ave LCS/LCSD recovery (59%); low ave MS/MSD recovery (57.5%)
IWSE21-021-(0-0.5)	4-Chloroaniline	UJ	low ave MS/MSD recovery (50.5%)
IWSE21-021-(0-0.5)	4-Nitroaniline	UJ	low ave MS/MSD recovery (52%)
IWSE21-021-(0-0.5)	Benzidine	UJ	calibration drift (%D= -29); low ave LCS/LCSD recovery (50.5%); low ave MS/MSD recovery (1%)
IWSE21-021-(0-0.5)	Benzo(k)fluoranthene	UJ	low ave LCS/LCSD recovery (58%)
IWSE21-021-(0-0.5)	Benzoic acid	UJ	low ave MS/MSD recovery (43%)
IWSE21-021-(0-0.5)	Fluoranthene	UJ	low ave LCS/LCSD recovery (58.5%); low ave MS/MSD recovery (59%)
IWSE21-021-(0-0.5)	Hexachlorocyclopentadiene	UJ	low ave LCS/LCSD recovery (37.5%); low ave MS/MSD recovery (40.5%)
IWSE21-021-(0-0.5)	Hexachloroethane	UJ	low ave LCS/LCSD recovery (54.5%); low ave MS/MSD recovery (58%)
IWSE21-021-(0-0.5)	Phenol	UJ	poor calibration fit (%RSD=20)
IWSE21-021-(0-0.5)	Pyridine	UJ	poor calibration fit (%RSD=16); low ave LCS/LCSD recovery (49.5%)
IWSE21-021-(0-0.5)	Total Organic Carbon	J	large difference between field duplicate pair; high ave MS/MSD recovery (145%)
IWSE22-022-(0-0.5)	Antimony	J	result between SDL and SQL; extremely low MS/MSD recovery (26.5%)
IWSE22-022-(0-0.5)	Molybdenum	J	result between SDL and SQL
IWSE22-022-(0-0.5)	1,2-Dichloroethane	UJ	calibration drift (%D= -21)
IWSE22-022-(0-0.5)	Acetone	U	trip blank contamination (25.7 ug/L); equipment blank contamination (5.98 J ug/L); result between SDL and SQL; calibration drift (%D= 28)
IWSE22-022-(0-0.5)	Acrolein	UJ	low instrument response (low RRF); elevate SDL for NDs 5x (Sed); calibration drift (%D= -36); low ave MS/MSD recovery (50%)
IWSE22-022-(0-0.5)	Acrylonitrile	UJ	calibration drift (%D= -23)
IWSE22-022-(0-0.5)	Bromomethane	UJ	calibration drift (%D= -23)
IWSE22-022-(0-0.5)	Methyl Acetate	UJ	calibration drift (%D= -27)
IWSE22-022-(0-0.5)	Vinyl acetate	UJ	low ave MS/MSD recovery (44.5%)
IWSE22-022-(0-0.5)	Vinyl chloride	UJ	poor calibration fit (%RSD=19)

QUALIFIED DATA TABLE

Field Sample Identification	Analyte	Data Qualifier	Reason for Qualification
IWSE22-022-(0-0.5)	2-Chloroethylvinyl ether	UJ	poor calibration fit (%RSD=26)
IWSE22-022-(0-0.5)	n-Butyl alcohol	UJ	low instrument response (low RRF); elevate SDL for NDs 2x (SW) or 50x (Sed)
IWSE22-022-(0-0.5)	2,4-Dinitrophenol	UJ	low ave LCS/LCSD recovery (57%)
IWSE22-022-(0-0.5)	3-Nitroaniline	UJ	low ave LCS/LCSD recovery (59%); low ave MS/MSD recovery (57.5%)
IWSE22-022-(0-0.5)	4-Chloroaniline	UJ	low ave MS/MSD recovery (50.5%)
IWSE22-022-(0-0.5)	4-Nitroaniline	UJ	low ave MS/MSD recovery (52%)
IWSE22-022-(0-0.5)	Benzidine	UJ	calibration drift (%D= -29); low ave LCS/LCSD recovery (50.5%); low ave MS/MSD recovery (1%)
IWSE22-022-(0-0.5)	Benzo(k)fluoranthene	UJ	low ave LCS/LCSD recovery (58%)
IWSE22-022-(0-0.5)	Benzoic acid	UJ	low ave MS/MSD recovery (43%)
IWSE22-022-(0-0.5)	Fluoranthene	UJ	low ave LCS/LCSD recovery (58.5%); low ave MS/MSD recovery (59%)
IWSE22-022-(0-0.5)	Hexachlorocyclopentadiene	UJ	low ave LCS/LCSD recovery (37.5%); low ave MS/MSD recovery (40.5%)
IWSE22-022-(0-0.5)	Hexachloroethane	UJ	low ave LCS/LCSD recovery (54.5%); low ave MS/MSD recovery (58%)
IWSE22-022-(0-0.5)	Phenol	UJ	poor calibration fit (%RSD=20)
IWSE22-022-(0-0.5)	Pyridine	UJ	poor calibration fit (%RSD=16); low ave LCS/LCSD recovery (49.5%)
IWSE22-022-(0-0.5)	Total Organic Carbon	UJ	large difference between field duplicate pair
IWSE23-023-(0-0.5)	Antimony	J-	extremely low MS/MSD recovery (26.5%)
IWSE23-023-(0-0.5)	Molybdenum	J	result between SDL and SQL
IWSE23-023-(0-0.5)	4,4'-DDT	J	result between SDL and SQL; calibration drift (%D= 20)
IWSE23-023-(0-0.5)	1,2-Dichloroethane	UJ	calibration drift (%D= -21)
IWSE23-023-(0-0.5)	2-Butanone	J	result between SDL and SQL
IWSE23-023-(0-0.5)	Acetone	U	trip blank contamination (25.7 ug/L); equipment blank contamination (5.98 J ug/L); result between SDL and SQL; calibration drift (%D= 28)
IWSE23-023-(0-0.5)	Acrolein	UJ	low instrument response (low RRF); elevate SDL for NDs 5x (Sed); calibration drift (%D= -36); low ave MS/MSD recovery (50%)
IWSE23-023-(0-0.5)	Acrylonitrile	UJ	calibration drift (%D= -23)
IWSE23-023-(0-0.5)	Bromomethane	UJ	calibration drift (%D= -23)
IWSE23-023-(0-0.5)	Carbon disulfide	J	result between SDL and SQL
IWSE23-023-(0-0.5)	Methyl Acetate	UJ	calibration drift (%D= -27)
IWSE23-023-(0-0.5)	Vinyl acetate	UJ	low ave MS/MSD recovery (44.5%)
IWSE23-023-(0-0.5)	Vinyl chloride	UJ	poor calibration fit (%RSD=19)
IWSE23-023-(0-0.5)	2-Chloroethylvinyl ether	UJ	poor calibration fit (%RSD=26)
IWSE23-023-(0-0.5)	n-Butyl alcohol	UJ	low instrument response (low RRF); elevate SDL for NDs 2x (SW) or 50x (Sed)
IWSE23-023-(0-0.5)	2,4-Dinitrophenol	UJ	low ave LCS/LCSD recovery (57%)
IWSE23-023-(0-0.5)	3-Nitroaniline	UJ	low ave LCS/LCSD recovery (59%); low ave MS/MSD recovery (57.5%)
IWSE23-023-(0-0.5)	4-Chloroaniline	UJ	low ave MS/MSD recovery (50.5%)
IWSE23-023-(0-0.5)	4-Nitroaniline	UJ	low ave MS/MSD recovery (52%)
IWSE23-023-(0-0.5)	Benzidine	UJ	calibration drift (%D= -29); low ave LCS/LCSD recovery (50.5%); low ave MS/MSD recovery (1%)
IWSE23-023-(0-0.5)	Benzo(k)fluoranthene	UJ	low ave LCS/LCSD recovery (58%)
IWSE23-023-(0-0.5)	Benzoic acid	UJ	low ave MS/MSD recovery (43%)
IWSE23-023-(0-0.5)	Fluoranthene	UJ	low ave LCS/LCSD recovery (58.5%); low ave MS/MSD recovery (59%)
IWSE23-023-(0-0.5)	Hexachlorocyclopentadiene	UJ	low ave LCS/LCSD recovery (37.5%); low ave MS/MSD recovery (40.5%)
IWSE23-023-(0-0.5)	Hexachloroethane	UJ	low ave LCS/LCSD recovery (54.5%); low ave MS/MSD recovery (58%)

QUALIFIED DATA TABLE

Field Sample Identification	Analyte	Data Qualifier	Reason for Qualification
IWSE23-023-(0-0.5)	Phenol	UJ	poor calibration fit (%RSD=20)
IWSE23-023-(0-0.5)	Pyridine	UJ	poor calibration fit (%RSD=16); low ave LCS/LCSD recovery (49.5%)
IWSE23-023-(0-0.5)	Total Organic Carbon	J	large difference between field duplicate pair; high ave MS/MSD recovery (145%)
IWSE24-024-(0-0.5)	Antimony	J	result between SDL and SQL; extremely low MS/MSD recovery (26.5%)
IWSE24-024-(0-0.5)	Arsenic	J	result between SDL and SQL
IWSE24-024-(0-0.5)	Molybdenum	J	result between SDL and SQL
IWSE24-024-(0-0.5)	Mercury	J	result between SDL and SQL
IWSE24-024-(0-0.5)	Endosulfan I	UJ	low ave LCS/LCSD recovery (50.5%)
IWSE24-024-(0-0.5)	Acrolein	UJ	low instrument response (low RRF); elevate SDL for NDs 5x (Sed); low ave MS/MSD recovery (50%)
IWSE24-024-(0-0.5)	Vinyl acetate	UJ	low ave MS/MSD recovery (44.5%)
IWSE24-024-(0-0.5)	Vinyl chloride	UJ	poor calibration fit (%RSD=29)
IWSE24-024-(0-0.5)	2-Chloroethylvinyl ether	UJ	poor calibration fit (%RSD=26)
IWSE24-024-(0-0.5)	n-Butyl alcohol	UJ	low instrument response (low RRF); elevate SDL for NDs 2x (SW) or 50x (Sed)
IWSE24-024-(0-0.5)	2,4-Dinitrophenol	UJ	low ave LCS/LCSD recovery (57%)
IWSE24-024-(0-0.5)	3-Nitroaniline	UJ	low ave LCS/LCSD recovery (59%); low ave MS/MSD recovery (57.5%)
IWSE24-024-(0-0.5)	4-Chloroaniline	UJ	low ave MS/MSD recovery (50.5%)
IWSE24-024-(0-0.5)	4-Nitroaniline	UJ	low ave MS/MSD recovery (52%)
IWSE24-024-(0-0.5)	Benzidine	UJ	calibration drift (%D= -29); low ave LCS/LCSD recovery (50.5%); low ave MS/MSD recovery (1%)
IWSE24-024-(0-0.5)	Benzo(k)fluoranthene	UJ	low ave LCS/LCSD recovery (58%)
IWSE24-024-(0-0.5)	Benzoic acid	UJ	low ave MS/MSD recovery (43%)
IWSE24-024-(0-0.5)	Bis(2-Ethylhexyl)phthalate	U	laboratory blank contamination (20.4 J ug/Kg); result between SDL and SQL
IWSE24-024-(0-0.5)	Fluoranthene	UJ	low ave LCS/LCSD recovery (58.5%); low ave MS/MSD recovery (59%)
IWSE24-024-(0-0.5)	Hexachlorocyclopentadiene	UJ	low ave LCS/LCSD recovery (37.5%); low ave MS/MSD recovery (40.5%)
IWSE24-024-(0-0.5)	Hexachloroethane	UJ	low ave LCS/LCSD recovery (54.5%); low ave MS/MSD recovery (58%)
IWSE24-024-(0-0.5)	Phenol	UJ	poor calibration fit (%RSD=20)
IWSE24-024-(0-0.5)	Pyridine	UJ	poor calibration fit (%RSD=16); low ave LCS/LCSD recovery (49.5%)
IWSE24-024-(0-0.5)	Total Organic Carbon	UJ	large difference between field duplicate pair
IWSE25-025-(0-0.5)	Antimony	J	result between SDL and SQL; extremely low MS/MSD recovery (26.5%)
IWSE25-025-(0-0.5)	Molybdenum	J	result between SDL and SQL
IWSE25-025-(0-0.5)	2-Chloroethylvinyl ether	UJ	poor calibration fit (%RSD=26)
IWSE25-025-(0-0.5)	Acrolein	UJ	low instrument response (low RRF); elevate SDL for NDs 5x (Sed); low ave MS/MSD recovery (50%)
IWSE25-025-(0-0.5)	Vinyl acetate	UJ	low ave MS/MSD recovery (44.5%)
IWSE25-025-(0-0.5)	Vinyl chloride	UJ	poor calibration fit (%RSD=29)
IWSE25-025-(0-0.5)	n-Butyl alcohol	UJ	low instrument response (low RRF); elevate SDL for NDs 2x (SW) or 50x (Sed)
IWSE25-025-(0-0.5)	2,4-Dinitrophenol	UJ	low ave LCS/LCSD recovery (57%)
IWSE25-025-(0-0.5)	3-Nitroaniline	UJ	low ave LCS/LCSD recovery (59%); low ave MS/MSD recovery (57.5%)
IWSE25-025-(0-0.5)	4-Chloroaniline	UJ	low ave MS/MSD recovery (50.5%)
IWSE25-025-(0-0.5)	4-Nitroaniline	UJ	low ave MS/MSD recovery (52%)
IWSE25-025-(0-0.5)	Benzidine	UJ	calibration drift (%D= -29); low ave LCS/LCSD recovery (50.5%); low ave MS/MSD recovery (1%)

QUALIFIED DATA TABLE

Field Sample Identification	Analyte	Data Qualifier	Reason for Qualification
IWSE25-025-(0-0.5)	Benzo(k)fluoranthene	UJ	low ave LCS/LCSD recovery (58%)
IWSE25-025-(0-0.5)	Benzoic acid	UJ	low ave MS/MSD recovery (43%)
IWSE25-025-(0-0.5)	Bis(2-Ethylhexyl)phthalate	U	laboratory blank contamination (20.4 J ug/Kg); result between SDL and SQL
IWSE25-025-(0-0.5)	Fluoranthene	UJ	low ave LCS/LCSD recovery (58.5%); low ave MS/MSD recovery (59%)
IWSE25-025-(0-0.5)	Hexachlorocyclopentadiene	UJ	low ave LCS/LCSD recovery (37.5%); low ave MS/MSD recovery (40.5%)
IWSE25-025-(0-0.5)	Hexachloroethane	UJ	low ave LCS/LCSD recovery (54.5%); low ave MS/MSD recovery (58%)
IWSE25-025-(0-0.5)	Phenol	UJ	poor calibration fit (%RSD=20)
IWSE25-025-(0-0.5)	Pyridine	UJ	poor calibration fit (%RSD=16); low ave LCS/LCSD recovery (49.5%)
IWSE25-025-(0-0.5)	Total Organic Carbon	UJ	large difference between field duplicate pair
IWSE25-044(0-0.5)	Antimony	J	result between SDL and SQL; extremely low MS/MSD recovery (26.5%)
IWSE25-044(0-0.5)	Molybdenum	J	result between SDL and SQL
IWSE25-044(0-0.5)	Acetone	U	trip blank contamination (25.7 ug/L); equipment blank contamination (5.98 J ug/L); result between SDL and SQL
IWSE25-044(0-0.5)	Acrolein	UJ	low instrument response (low RRF); elevate SDL for NDs 5x (Sed); low ave MS/MSD recovery (50%)
IWSE25-044(0-0.5)	Carbon disulfide	J	result between SDL and SQL
IWSE25-044(0-0.5)	Chloroform	UJ	poor calibration fit (%RSD=22)
IWSE25-044(0-0.5)	Chloromethane	UJ	poor calibration fit (%RSD=17)
IWSE25-044(0-0.5)	Toluene	UJ	poor calibration fit (%RSD=17)
IWSE25-044(0-0.5)	Vinyl acetate	UJ	low ave MS/MSD recovery (44.5%)
IWSE25-044(0-0.5)	Vinyl chloride	UJ	poor calibration fit (%RSD=21)
IWSE25-044(0-0.5)	2-Chloroethylvinyl ether	UJ	poor calibration fit (%RSD=26)
IWSE25-044(0-0.5)	n-Butyl alcohol	UJ	low instrument response (low RRF); elevate SDL for NDs 2x (SW) or 50x (Sed)
IWSE25-044(0-0.5)	2,4-Dinitrophenol	UJ	low ave LCS/LCSD recovery (57%)
IWSE25-044(0-0.5)	3-Nitroaniline	UJ	low ave LCS/LCSD recovery (59%); low ave MS/MSD recovery (57.5%)
IWSE25-044(0-0.5)	4-Chloroaniline	UJ	low ave MS/MSD recovery (50.5%)
IWSE25-044(0-0.5)	4-Nitroaniline	UJ	low ave MS/MSD recovery (52%)
IWSE25-044(0-0.5)	Benzidine	UJ	calibration drift (%D= -29); low ave LCS/LCSD recovery (50.5%); low ave MS/MSD recovery (1%)
IWSE25-044(0-0.5)	Benzo(k)fluoranthene	UJ	low ave LCS/LCSD recovery (58%)
IWSE25-044(0-0.5)	Benzoic acid	UJ	low ave MS/MSD recovery (43%)
IWSE25-044(0-0.5)	Bis(2-Ethylhexyl)phthalate	U	laboratory blank contamination (20.4 J ug/Kg); result between SDL and SQL
IWSE25-044(0-0.5)	Fluoranthene	UJ	low ave LCS/LCSD recovery (58.5%); low ave MS/MSD recovery (59%)
IWSE25-044(0-0.5)	Hexachlorocyclopentadiene	UJ	low ave LCS/LCSD recovery (37.5%); low ave MS/MSD recovery (40.5%)
IWSE25-044(0-0.5)	Hexachloroethane	UJ	low ave LCS/LCSD recovery (54.5%); low ave MS/MSD recovery (58%)
IWSE25-044(0-0.5)	Phenol	UJ	poor calibration fit (%RSD=20)
IWSE25-044(0-0.5)	Pyridine	UJ	poor calibration fit (%RSD=16); low ave LCS/LCSD recovery (49.5%)
IWSE25-044(0-0.5)	Total Organic Carbon	J	large difference between field duplicate pair; high ave MS/MSD recovery (145%)
IWSE26-026-(0-0.5)	Antimony	J	result between SDL and SQL; extremely low MS/MSD recovery (26.5%)
IWSE26-026-(0-0.5)	Molybdenum	J	result between SDL and SQL
IWSE26-026-(0-0.5)	Mercury	J	result between SDL and SQL
IWSE26-026-(0-0.5)	Endosulfan I	UJ	low ave LCS/LCSD recovery (50.5%)

QUALIFIED DATA TABLE

Field Sample Identification	Analyte	Data Qualifier	Reason for Qualification
IWSE26-026-(0-0.5)	Acrolein	UJ	low instrument response (low RRF); elevate SDL for NDs 5x (Sed); low ave MS/MSD recovery (50%)
IWSE26-026-(0-0.5)	Chloroform	UJ	poor calibration fit (%RSD=22)
IWSE26-026-(0-0.5)	Chloromethane	UJ	poor calibration fit (%RSD=17)
IWSE26-026-(0-0.5)	Toluene	UJ	poor calibration fit (%RSD=17)
IWSE26-026-(0-0.5)	Vinyl acetate	UJ	low ave MS/MSD recovery (44.5%)
IWSE26-026-(0-0.5)	Vinyl chloride	UJ	poor calibration fit (%RSD=21)
IWSE26-026-(0-0.5)	2-Chloroethylvinyl ether	UJ	poor calibration fit (%RSD=26)
IWSE26-026-(0-0.5)	n-Butyl alcohol	UJ	low instrument response (low RRF); elevate SDL for NDs 2x (SW) or 50x (Sed)
IWSE26-026-(0-0.5)	2,4-Dinitrophenol	UJ	low ave LCS/LCSD recovery (57%)
IWSE26-026-(0-0.5)	3-Nitroaniline	UJ	low ave LCS/LCSD recovery (59%); low ave MS/MSD recovery (57.5%)
IWSE26-026-(0-0.5)	4-Chloroaniline	UJ	low ave MS/MSD recovery (50.5%)
IWSE26-026-(0-0.5)	4-Nitroaniline	UJ	low ave MS/MSD recovery (52%)
IWSE26-026-(0-0.5)	Benzidine	UJ	calibration drift (%D= -29); low ave LCS/LCSD recovery (50.5%); low ave MS/MSD recovery (1%)
IWSE26-026-(0-0.5)	Benzo(k)fluoranthene	UJ	low ave LCS/LCSD recovery (58%)
IWSE26-026-(0-0.5)	Benzoic acid	UJ	low ave MS/MSD recovery (43%)
IWSE26-026-(0-0.5)	Bis(2-Ethylhexyl)phthalate	U	laboratory blank contamination (20.4 J ug/Kg); result between SDL and SQL
IWSE26-026-(0-0.5)	Fluoranthene	UJ	low ave LCS/LCSD recovery (58.5%); low ave MS/MSD recovery (59%)
IWSE26-026-(0-0.5)	Hexachlorocyclopentadiene	UJ	low ave LCS/LCSD recovery (37.5%); low ave MS/MSD recovery (40.5%)
IWSE26-026-(0-0.5)	Hexachloroethane	UJ	low ave LCS/LCSD recovery (54.5%); low ave MS/MSD recovery (58%)
IWSE26-026-(0-0.5)	Phenol	UJ	poor calibration fit (%RSD=20)
IWSE26-026-(0-0.5)	Pyridine	UJ	poor calibration fit (%RSD=16); low ave LCS/LCSD recovery (49.5%)
IWSE26-026-(0-0.5)	Total Organic Carbon	UJ	large difference between field duplicate pair
IWSE27-027-(0-0.5)	Antimony	J-	extremely low MS/MSD recovery (26.5%)
IWSE27-027-(0-0.5)	Molybdenum	J	result between SDL and SQL
IWSE27-027-(0-0.5)	Mercury	J	result between SDL and SQL
IWSE27-027-(0-0.5)	2-Chloroethylvinyl ether	UJ	poor calibration fit (%RSD=26)
IWSE27-027-(0-0.5)	Acetone	U	trip blank contamination (25.7 ug/L); equipment blank contamination (5.98 J ug/L); result between SDL and SQL
IWSE27-027-(0-0.5)	Acrolein	UJ	low instrument response (low RRF); elevate SDL for NDs 5x (Sed); low ave MS/MSD recovery (50%)
IWSE27-027-(0-0.5)	Carbon disulfide	J	result between SDL and SQL
IWSE27-027-(0-0.5)	Vinyl acetate	UJ	low ave MS/MSD recovery (44.5%)
IWSE27-027-(0-0.5)	Vinyl chloride	UJ	poor calibration fit (%RSD=29)
IWSE27-027-(0-0.5)	n-Butyl alcohol	UJ	low instrument response (low RRF); elevate SDL for NDs 2x (SW) or 50x (Sed)
IWSE27-027-(0-0.5)	2,4-Dinitrophenol	UJ	low ave LCS/LCSD recovery (57%)
IWSE27-027-(0-0.5)	3-Nitroaniline	UJ	low ave LCS/LCSD recovery (59%); low ave MS/MSD recovery (57.5%)
IWSE27-027-(0-0.5)	4-Chloroaniline	UJ	low ave MS/MSD recovery (50.5%)
IWSE27-027-(0-0.5)	4-Nitroaniline	UJ	low ave MS/MSD recovery (52%)
IWSE27-027-(0-0.5)	Benzidine	UJ	calibration drift (%D= -29); low ave LCS/LCSD recovery (50.5%); low ave MS/MSD recovery (1%)
IWSE27-027-(0-0.5)	Benzo(k)fluoranthene	UJ	low ave LCS/LCSD recovery (58%)
IWSE27-027-(0-0.5)	Benzoic acid	UJ	low ave MS/MSD recovery (43%)
IWSE27-027-(0-0.5)	Fluoranthene	UJ	low ave LCS/LCSD recovery (58.5%); low ave MS/MSD recovery (59%)

QUALIFIED DATA TABLE

Field Sample Identification	Analyte	Data Qualifier	Reason for Qualification
IWSE27-027-(0-0.5)	Hexachlorocyclopentadiene	UJ	low ave LCS/LCSD recovery (37.5%); low ave MS/MSD recovery (40.5%)
IWSE27-027-(0-0.5)	Hexachloroethane	UJ	low ave LCS/LCSD recovery (54.5%); low ave MS/MSD recovery (58%)
IWSE27-027-(0-0.5)	Phenol	UJ	poor calibration fit (%RSD=20)
IWSE27-027-(0-0.5)	Pyridine	UJ	poor calibration fit (%RSD=16); low ave LCS/LCSD recovery (49.5%)
IWSE27-027-(0-0.5)	Total Organic Carbon	J	large difference between field duplicate pair; high ave MS/MSD recovery (145%)
IWSE28-028-(0-0.5)	Antimony	J-	extremely low MS/MSD recovery (26.5%)
IWSE28-028-(0-0.5)	Molybdenum	J	result between SDL and SQL
IWSE28-028-(0-0.5)	Mercury	J	result between SDL and SQL
IWSE28-028-(0-0.5)	1,2-Dichloroethane	UJ	calibration drift (%D= -21)
IWSE28-028-(0-0.5)	2-Butanone	J	result between SDL and SQL
IWSE28-028-(0-0.5)	Acetone	U	trip blank contamination (25.7 ug/L); equipment blank contamination (5.98 J ug/L); result between SDL and SQL; calibration drift (%D= 28)
IWSE28-028-(0-0.5)	Acrolein	UJ	low instrument response (low RRF); elevate SDL for NDs 5x (Sed); calibration drift (%D= -36); low ave MS/MSD recovery (50%)
IWSE28-028-(0-0.5)	Acrylonitrile	UJ	calibration drift (%D= -23)
IWSE28-028-(0-0.5)	Bromomethane	UJ	calibration drift (%D= -23)
IWSE28-028-(0-0.5)	Methyl Acetate	UJ	calibration drift (%D= -27)
IWSE28-028-(0-0.5)	Vinyl acetate	UJ	low ave MS/MSD recovery (44.5%)
IWSE28-028-(0-0.5)	Vinyl chloride	UJ	poor calibration fit (%RSD=19)
IWSE28-028-(0-0.5)	2-Chloroethylvinyl ether	UJ	poor calibration fit (%RSD=26)
IWSE28-028-(0-0.5)	n-Butyl alcohol	UJ	low instrument response (low RRF); elevate SDL for NDs 2x (SW) or 50x (Sed)
IWSE28-028-(0-0.5)	2,4-Dinitrophenol	UJ	low ave LCS/LCSD recovery (57%)
IWSE28-028-(0-0.5)	3-Nitroaniline	UJ	low ave LCS/LCSD recovery (59%); low ave MS/MSD recovery (57.5%)
IWSE28-028-(0-0.5)	4-Chloroaniline	UJ	low ave MS/MSD recovery (50.5%)
IWSE28-028-(0-0.5)	4-Nitroaniline	UJ	low ave MS/MSD recovery (52%)
IWSE28-028-(0-0.5)	Benzidine	UJ	calibration drift (%D= -29); low ave LCS/LCSD recovery (50.5%); low ave MS/MSD recovery (1%)
IWSE28-028-(0-0.5)	Benzo(k)fluoranthene	UJ	low ave LCS/LCSD recovery (58%)
IWSE28-028-(0-0.5)	Benzoic acid	UJ	low ave MS/MSD recovery (43%)
IWSE28-028-(0-0.5)	Bis(2-Ethylhexyl)phthalate	U	laboratory blank contamination (20.4 J ug/Kg); result between SDL and SQL
IWSE28-028-(0-0.5)	Fluoranthene	UJ	low ave LCS/LCSD recovery (58.5%); low ave MS/MSD recovery (59%)
IWSE28-028-(0-0.5)	Hexachlorocyclopentadiene	UJ	low ave LCS/LCSD recovery (37.5%); low ave MS/MSD recovery (40.5%)
IWSE28-028-(0-0.5)	Hexachloroethane	UJ	low ave LCS/LCSD recovery (54.5%); low ave MS/MSD recovery (58%)
IWSE28-028-(0-0.5)	Phenol	UJ	poor calibration fit (%RSD=20)
IWSE28-028-(0-0.5)	Pyridine	UJ	poor calibration fit (%RSD=16); low ave LCS/LCSD recovery (49.5%)
IWSE28-028-(0-0.5)	Total Organic Carbon	UJ	large difference between field duplicate pair
IWSE29-029-(0-0.5)	Antimony	J	result between SDL and SQL; extremely low MS/MSD recovery (26.5%)
IWSE29-029-(0-0.5)	Molybdenum	J	result between SDL and SQL
IWSE29-029-(0-0.5)	Mercury	J	result between SDL and SQL
IWSE29-029-(0-0.5)	1,1,2,2-Tetrachloroethane	UJ	calibration drift (%D= -22)
IWSE29-029-(0-0.5)	1,2,3-Trichloropropane	UJ	calibration drift (%D= -22)
IWSE29-029-(0-0.5)	2-Hexanone	UJ	calibration drift (%D= -23)
IWSE29-029-(0-0.5)	4-Methyl-2-pentanone	UJ	calibration drift (%D= -21)

QUALIFIED DATA TABLE

Field Sample Identification	Analyte	Data Qualifier	Reason for Qualification
IWSE29-029-(0-0.5)	Acetone	U	trip blank contamination (25.7 ug/L); equipment blank contamination (5.98 J ug/L); result between SDL and SQL
IWSE29-029-(0-0.5)	Acrolein	UJ	low instrument response (low RRF); elevate SDL for NDs 5x (Sed); calibration drift (%D= -33); low ave MS/MSD recovery (50%)
IWSE29-029-(0-0.5)	Acrylonitrile	UJ	calibration drift (%D= -30)
IWSE29-029-(0-0.5)	Methyl Acetate	UJ	calibration drift (%D= -23)
IWSE29-029-(0-0.5)	Vinyl acetate	UJ	calibration drift (%D= -35); low ave MS/MSD recovery (44.5%)
IWSE29-029-(0-0.5)	Vinyl chloride	UJ	poor calibration fit (%RSD=29)
IWSE29-029-(0-0.5)	trans-1,4-Dichloro-2-butene	UJ	calibration drift (%D= -27)
IWSE29-029-(0-0.5)	2-Chloroethylvinyl ether	UJ	poor calibration fit (%RSD=26)
IWSE29-029-(0-0.5)	n-Butyl alcohol	UJ	low instrument response (low RRF); elevate SDL for NDs 2x (SW) or 50x (Sed)
IWSE29-029-(0-0.5)	2,4-Dinitrophenol	UJ	low ave LCS/LCSD recovery (57%)
IWSE29-029-(0-0.5)	3-Nitroaniline	UJ	low ave LCS/LCSD recovery (59%); low ave MS/MSD recovery (57.5%)
IWSE29-029-(0-0.5)	4-Chloroaniline	UJ	low ave MS/MSD recovery (50.5%)
IWSE29-029-(0-0.5)	4-Nitroaniline	UJ	low ave MS/MSD recovery (52%)
IWSE29-029-(0-0.5)	Benzidine	UJ	calibration drift (%D= -29); low ave LCS/LCSD recovery (50.5%); low ave MS/MSD recovery (1%)
IWSE29-029-(0-0.5)	Benzo(b)fluoranthene	J	result between SDL and SQL
IWSE29-029-(0-0.5)	Benzo(k)fluoranthene	UJ	low ave LCS/LCSD recovery (58%)
IWSE29-029-(0-0.5)	Benzoic acid	UJ	low ave MS/MSD recovery (43%)
IWSE29-029-(0-0.5)	Bis(2-Ethylhexyl)phthalate	U	laboratory blank contamination (20.4 J ug/Kg); result between SDL and SQL
IWSE29-029-(0-0.5)	Fluoranthene	UJ	low ave LCS/LCSD recovery (58.5%); low ave MS/MSD recovery (59%)
IWSE29-029-(0-0.5)	Hexachlorocyclopentadiene	UJ	low ave LCS/LCSD recovery (37.5%); low ave MS/MSD recovery (40.5%)
IWSE29-029-(0-0.5)	Hexachloroethane	UJ	low ave LCS/LCSD recovery (54.5%); low ave MS/MSD recovery (58%)
IWSE29-029-(0-0.5)	Phenol	UJ	poor calibration fit (%RSD=20)
IWSE29-029-(0-0.5)	Pyridine	UJ	poor calibration fit (%RSD=16); low ave LCS/LCSD recovery (49.5%)
IWSE29-029-(0-0.5)	Total Organic Carbon	UJ	large difference between field duplicate pair

ATTACHMENT 1

Sample_ID	Lab_Sample_ID	Test_type_code	Analytical_Method	Total_or_dissolved	Matrix	Parameter	Valid_qualifier	Result_type_code	Prep_date	Prep_time	Analysis_Date	Analysis_Time	QC_comment	QC_Batch
IWSE25-025-(0-0.5) MSD	20606293714	MSD	SW6010B		S	Aluminum	none (waived due to high parent conc)	TRG	7/3/2006	11:15	7/10/2006	11:51	high ave MS/MSD recovery (911.5%)	327473
IWSE25-025-(0-0.5) MSD	20606293714	MSD	SW6010B		S	Antimony	J- / R to RRs/NDs	TRG	7/3/2006	11:15	7/10/2006	11:51	extremely low MS/MSD recovery (26.5%)	327473
IW-046-EB	20606293707	EQBK	SW6010B		W	Boron	U to RRs < 5 x BlankEquivConc (none)	TRG	7/1/2006	14:40	7/4/2006	0:38	equipment blank contamination (0.02 B mg/L)	327155
MB for HBN 326878 [DIGM/12084]	385768	LB	SW6010B		S	Cadmium	U to RRs < 5 x BlankEquivConc (none)	TRG	7/3/2006	11:15	7/10/2006	11:28	laboratory blank contamination (0.022 B mg/kg)	327473
MB for HBN 326878 [DIGM/12084]	385768	LB	SW6010B		S	Cobalt	U to RRs < 5 x BlankEquivConc (none)	TRG	7/3/2006	11:15	7/10/2006	11:28	laboratory blank contamination (0.032 B mg/kg)	327473
IW-046-EB	20606293707	EQBK	SW6010B		W	Cobalt	U to RRs < 5 x BlankEquivConc (none)	TRG	7/1/2006	14:40	7/4/2006	0:38	equipment blank contamination (0.0007 B mg/L)	327155
IW-046-EB	20606293707	EQBK	SW6010B		W	Hardness	U to RRs < 5 x BlankEquivConc (none)	TRG	7/1/2006	14:40	7/4/2006	0:38	equipment blank contamination (12 mg/L)	327155
MB for HBN 326878 [DIGM/12084]	385768	LB	SW6010B		S	Iron	U to RRs < 5 x BlankEquivConc (none)	TRG	7/3/2006	11:15	7/10/2006	11:28	laboratory blank contamination (1.03 B mg/kg)	327473
IWSE25-025-(0-0.5) MSD	20606293714	MSD	SW6010B		S	Iron	none (waived due to high parent conc)	TRG	7/3/2006	11:15	7/10/2006	11:51	high ave MS/MSD recovery (39.7%)	327473
MB for HBN 326878 [DIGM/12084]	385768	LB	SW6010B		S	Manganese	U to RRs < 5 x BlankEquivConc (none)	TRG	7/3/2006	11:15	7/10/2006	11:28	laboratory blank contamination (0.032 B mg/kg)	327473
IWSE25-025-(0-0.5) MSD	20606293714	MSD	SW6010B		S	Manganese	none (waived due to high parent conc)	TRG	7/3/2006	11:15	7/10/2006	11:51	low ave MS/MSD recovery (63%)	327473
IW-046-EB	20606293707	EQBK	SW6010B		W	Strontium	U to RRs < 5 x BlankEquivConc (none)	TRG	7/1/2006	14:40	7/4/2006	0:38	equipment blank contamination (0.014 B mg/L)	327155
MB for HBN 326878 [DIGM/12084]	385768	LB	SW6010B		S	Titanium	U to RRs < 5 x BlankEquivConc (none)	TRG	7/3/2006	11:15	7/10/2006	11:28	laboratory blank contamination (0.035 B mg/kg)	327473
IW-046-EB	20606293707	EQBK	SW6010B		W	Titanium	U to RRs < 5 x BlankEquivConc (none)	TRG	7/1/2006	14:40	7/4/2006	0:38	equipment blank contamination (0.00081 B mg/L)	327155
IWSE25-025-(0-0.5) MSD	20606293714	MSD	SW6010B		S	Titanium	none (waived due to high parent conc)	TRG	7/3/2006	11:15	7/10/2006	11:51	low ave MS/MSD recovery (48%)	327473
IW-046-EB	20606293707	EQBK	SW6010B		W	Zinc	U to RRs < 5 x BlankEquivConc (none)	TRG	7/1/2006	14:40	7/4/2006	0:38	equipment blank contamination (0.012 B mg/L)	327155
x	2060703sv16a059	CCV1	SW8081A			4,4'-DDT	J+ to RRs	Pest			7/4/06	16:20	calibration drift (%D= 20)	
x	2060703sv16a076	CCV1	SW8081A			4,4'-DDT	J+ to RRs (none)	Pest			7/5/06	15:15	calibration drift (%D= 16)	
x	2060707sv17a012	CCV1	SW8081A			4,4'-DDT	J+ to RRs (none)	Pest			7/7/06	17:09	calibration drift (%D= 19)	
IWSE29-029-(0-0.5)	20606293712	SMP	SW8081A		S	Decachlorobiphenyl	J+ to RRs (none)	SUR	6/30/2006	8:00	7/4/2006	13:21	high SU recovery (174%)	327248
IW-046-EB	20606293707	EQBK	SW8081A		W	delta-BHC	U to RRs < 5 x BlankEquivConc (none)	TRG	6/30/2006	16:00	7/6/2006	5:11	equipment blank contamination (0.034 ug/L)	327279
LCSD for HBN 327464 [EXTO/1412]	388385	LCSD	SW8081A		S	Endosulfan I	J- / U to RRs/NDs	TRG	7/6/2006	10:30	7/7/2006	14:42	low ave LCS/LCSD recovery (50.5%)	327554
x	2060703sv16a059	CCV1	SW8081A			Heptachlor	J+ to RRs (none)	Pest			7/4/06	16:20	calibration drift (%D= 16)	
x	2060703sv16a059	CCV1	SW8081A			Methoxychlor	J+ to RRs (none)	Pest			7/4/06	16:20	calibration drift (%D= 20)	
x	2060703sv16a076	CCV1	SW8081A			Methoxychlor	J+ to RRs (none)	Pest			7/5/06	15:15	calibration drift (%D= 17)	
x	2060707sv17a012	CCV1	SW8081A			Methoxychlor	J+ to RRs (none)	Pest			7/7/06	17:09	calibration drift (%D= 17)	
IWSE26-026-(0-0.5)	20606293709	SMP	SW8081A		S	Tetrachloro-m-xylene	none (only one of multiple surrogates is deficient)	SUR	7/6/2006	10:30	7/7/2006	16:06	low SU recovery (54%)	327554
IWSE29-029-(0-0.5)	20606293712	SMP	SW8081A		S	Tetrachloro-m-xylene	J+ to RRs (none)	SUR	6/30/2006	8:00	7/4/2006	13:21	high SU recovery (167%)	327248

ATTACHMENT 1

Sample_ID	Lab_Sample_ID	Test_type_code	Analytical_Method	Total_or_dissolved	Matrix	Parameter	Valid_qualifier	Result_type_code	Prep_date	Prep_time	Analysis_Date	Analysis_Time	QC_comment	QC_Batch
x	2060707sv17a003	CCV1	SW8082			AR 1016-Peak1	J- to RRs (none)	Aro			7/7/06	13:06	calibration drift (%D= -19)	
IWSE29-029-(0-0.5)	20606293712	SMP	SW8082		S	Decachlorobiphenyl	J+ to RRs (none)	SUR	6/30/2006	8:00	7/4/2006	13:21	high SU recovery (174%)	327250
x	B5507	CCV1	SW8260B			1,1,2,2-Tetrachloroethane	J- / UJ to RRs/NDs	VOC			7/9/06	7:01	calibration drift (%D= -22)	
x	B5507	CCV1	SW8260B			1,2,3-Trichloropropane	J- / UJ to RRs/NDs	VOC			7/9/06	7:01	calibration drift (%D= -22)	
x	B5356	CCV1	SW8260B			1,2-Dichloroethane	J- / UJ to RRs/NDs	VOC			7/4/06	14:03	calibration drift (%D= -21)	
x	G5210	ICAL1	SW8260B			2-Chloroethyl vinyl ether	J / UJ to RRs/NDs	VOC			6/18/06	16:30	poor calibration fit (%RSD=26)	
x	B5507	CCV1	SW8260B			2-Hexanone	J- / UJ to RRs/NDs	VOC			7/9/06	7:01	calibration drift (%D= -23)	
x	B5507	CCV1	SW8260B			4-Methyl-2-pentanone	J- / UJ to RRs/NDs	VOC			7/9/06	7:01	calibration drift (%D= -21)	
IW-046-EB	20606293707	EQBK	SW8260B		W	Acetone	U to RRs < 10 x BlankEquivConc	TRG			7/3/2006	17:45	equipment blank contamination (5.98 J ug/L)	327076
IW-047-FB	20606293708	TRIPBK	SW8260B		W	Acetone	U to RRs < 10 x BlankEquivConc	TRG			7/3/2006	18:10	trip blank contamination (25.7 ug/L)	327076
x	B5356	CCV1	SW8260B			Acetone	J+ to RRs	VOC			7/4/06	14:03	calibration drift (%D= 28)	
IWSE25-025-(0-0.5) MSD	20606293714	MSD	SW8260B		S	Acrolein	J- / UJ to RRs/NDs	TRG			7/8/2006	16:58	low ave MS/MSD recovery (50%)	327400
x	B5236	ICAL1	SW8260B			Acrolein	J / UJ to RRs/NDs	VOC			7/2/06	11:48	low instrument response (low RRF); elevate SDL for NDs 5x (Sed)	
x	B5356	CCV1	SW8260B			Acrolein	J- / UJ to RRs/NDs	VOC			7/4/06	14:03	calibration drift (%D= -36)	
x	B5445	ICAL1	SW8260B			Acrolein	J / UJ to RRs/NDs	VOC			7/7/06	10:02	low instrument response (low RRF); elevate SDL for NDs 5x (Sed)	
x	B5474	ICAL1	SW8260B			Acrolein	J / UJ to RRs/NDs	VOC			7/8/06	9:15	low instrument response (low RRF); elevate SDL for NDs 5x (Sed)	
x	B5507	CCV1	SW8260B			Acrolein	J- / UJ to RRs/NDs	VOC			7/9/06	7:01	calibration drift (%D= -33)	
x	B5356	CCV1	SW8260B			Acrylonitrile	J- / UJ to RRs/NDs	VOC			7/4/06	14:03	calibration drift (%D= -23)	
x	B5507	CCV1	SW8260B			Acrylonitrile	J- / UJ to RRs/NDs	VOC			7/9/06	7:01	calibration drift (%D= -30)	
x	B5356	CCV1	SW8260B			Bromomethane	J- / UJ to RRs/NDs	VOC			7/4/06	14:03	calibration drift (%D= -23)	
x	B5445	ICAL1	SW8260B			Chloroform	J / UJ to RRs/NDs	VOC			7/7/06	10:02	poor calibration fit (%RSD=22)	
x	B5445	ICAL1	SW8260B			Chloromethane	J / UJ to RRs/NDs	VOC			7/7/06	10:02	poor calibration fit (%RSD=17)	
x	B5356	CCV1	SW8260B			Cyclohexane	J+ to RRs (none)	VOC			7/4/06	14:03	calibration drift (%D= 21)	
x	B5356	CCV1	SW8260B			Methyl acetate	J- / UJ to RRs/NDs	VOC			7/4/06	14:03	calibration drift (%D= -27)	
x	B5507	CCV1	SW8260B			Methyl acetate	J- / UJ to RRs/NDs	VOC			7/9/06	7:01	calibration drift (%D= -23)	
x	B5356	CCV1	SW8260B			Methyl cyclohexane	J+ to RRs (none)	VOC			7/4/06	14:03	calibration drift (%D= 25)	
IW-046-EB	20606293707	EQBK	SW8260B		W	Methylene chloride	U to RRs < 10 x BlankEquivConc (none)	TRG			7/3/2006	17:45	equipment blank contamination (2.18 JB ug/L)	327076
IW-047-FB	20606293708	TRIPBK	SW8260B		W	Methylene chloride	U to RRs < 10 x BlankEquivConc (none)	TRG			7/3/2006	18:10	trip blank contamination (2.62 JB ug/L)	327076
x	G5023	ICAL2	SW8260B			n-Butyl alcohol	J / UJ to RRs/NDs	App9			6/14/06	7:30	low instrument response (low RRF); elevate SDL for NDs 2x (SW) or 50x (Sed)	

ATTACHMENT 1

Sample_ID	Lab_Sample_ID	Test_type_code	Analytical_Method	Total_or_dissolved	Matrix	Parameter	ValidQualifier	Result_type_code	Prep_date	Prep_time	Analysis_Date	Analysis_Time	QC_comment	QC_Batch
x	G5785	CCV2	SW8260B			n-Butyl alcohol	J+ to RRs (none)	App9			7/5/06	9:25	calibration drift (%D= 27)	
x	B5445	ICAL1	SW8260B			Toluene	J / UJ to RRs/NDs	VOC			7/7/06	10:02	poor calibration fit (%RSD=17)	
x	B5507	CCV1	SW8260B			trans-1,4-Dichloro-2-butene	J- / UJ to RRs/NDs	VOC			7/9/06	7:01	calibration drift (%D= -27)	
IWSE25-025-(0-0.5) MSD	20606293714	MSD	SW8260B	S		Vinyl acetate	J- / UJ to RRs/NDs	TRG			7/8/2006	16:58	low ave MS/MSD recovery (44.5%)	327400
x	B5507	CCV1	SW8260B			Vinyl acetate	J- / UJ to RRs/NDs	VOC			7/9/06	7:01	calibration drift (%D= -35)	
IWSE25-025-(0-0.5) MSD	20606293714	MSD	SW8260B	S		Vinyl chloride	J+ to RRs (none)	TRG			7/8/2006	16:58	high ave MS/MSD recovery (150.5%)	327400
x	B5236	ICAL1	SW8260B			Vinyl Chloride	J / UJ to RRs/NDs	VOC			7/2/06	11:48	poor calibration fit (%RSD=19)	
x	B5445	ICAL1	SW8260B			Vinyl Chloride	J / UJ to RRs/NDs	VOC			7/7/06	10:02	poor calibration fit (%RSD=21)	
x	B5474	ICAL1	SW8260B			Vinyl Chloride	J / UJ to RRs/NDs	VOC			7/8/06	9:15	poor calibration fit (%RSD=29)	
IWSE21-021-(0-0.5)	20606293701	SMP	SW8270C	S		2,4,6-Tribromophenol	none (only one of multiple surrogates is deficient)	SUR	6/30/2006	10:00	7/2/2006	18:12	low SU recovery (58%)	327060
IWSE22-022-(0-0.5)	20606293702	SMP	SW8270C	S		2,4,6-Tribromophenol	none (only one of multiple surrogates is deficient)	SUR	6/30/2006	10:00	7/2/2006	18:27	low SU recovery (58%)	327060
IWSE24-024-(0-0.5)	20606293704	SMP	SW8270C	S		2,4,6-Tribromophenol	none (only one of multiple surrogates is deficient)	SUR	6/30/2006	10:00	7/2/2006	18:57	low SU recovery (52%)	327060
IWSE25-025-(0-0.5)	20606293705	SMP	SW8270C	S		2,4,6-Tribromophenol	none (only one of multiple surrogates is deficient)	SUR	6/30/2006	10:00	7/2/2006	19:12	low SU recovery (55%)	327060
IWSE25-044(0-0.5)	20606293706	SMP	SW8270C	S		2,4,6-Tribromophenol	none (only one of multiple surrogates is deficient)	SUR	6/30/2006	10:00	7/2/2006	19:26	low SU recovery (59%)	327060
IWSE27-027-(0-0.5)	20606293710	SMP	SW8270C	S		2,4,6-Tribromophenol	none (only one of multiple surrogates is deficient)	SUR	6/30/2006	10:00	7/2/2006	19:57	low SU recovery (45%)	327060
IWSE28-028-(0-0.5)	20606293711	SMP	SW8270C	S		2,4,6-Tribromophenol	none (only one of multiple surrogates is deficient)	SUR	6/30/2006	10:00	7/2/2006	20:12	low SU recovery (44%)	327060
IWSE29-029-(0-0.5)	20606293712	SMP	SW8270C	S		2,4,6-Tribromophenol	none (only one of multiple surrogates is deficient)	SUR	6/30/2006	10:00	7/2/2006	20:26	low SU recovery (58%)	327060
LCSD for HBN 326840 [EXTO/1404]	385658	LCSD	SW8270C	S		2,4-Dinitrophenol	J- / UJ to RRs/NDs	TRG	6/30/2006	10:00	7/2/2006	17:57	low ave LCS/LCSD recovery (57%)	327060
LCSD for HBN 326840 [EXTO/1404]	385658	LCSD	SW8270C	S		2,4-Dinitrophenol	J to RRs	TRG	6/30/2006	10:00	7/2/2006	17:57	poor LCS/LCSD precision (43 RPD)	327060
LCSD for HBN 326840 [EXTO/1404]	385658	LCSD	SW8270C	S		3-Nitroaniline	J- / UJ to RRs/NDs	TRG	6/30/2006	10:00	7/2/2006	17:57	low ave LCS/LCSD recovery (59%)	327060
IWSE25-025-(0-0.5) MSD	20606293714	MSD	SW8270C	S		3-Nitroaniline	J- / UJ to RRs/NDs	TRG	6/30/2006	10:00	7/2/2006	20:56	low ave MS/MSD recovery (57.5%)	327060
IWSE25-025-(0-0.5) MSD	20606293714	MSD	SW8270C	S		4-Chloroaniline	J- / UJ to RRs/NDs	TRG	6/30/2006	10:00	7/2/2006	20:56	low ave MS/MSD recovery (50.5%)	327060
IWSE25-025-(0-0.5) MSD	20606293714	MSD	SW8270C	S		4-Nitroaniline	J- / UJ to RRs/NDs	TRG	6/30/2006	10:00	7/2/2006	20:56	low ave MS/MSD recovery (52%)	327060
IW-046-EB	20606293707	EQBK	SW8270C	W		Acetophenone	U to RRs < 5 x BlankEquivConc (none)	TRG	6/30/2006	9:00	7/2/2006	3:09	equipment blank contamination (0.619 J ug/L)	327031
LCSD for HBN 326840 [EXTO/1404]	385658	LCSD	SW8270C	S		Benzidine	J- / UJ to RRs/NDs	TRG	6/30/2006	10:00	7/2/2006	17:57	low ave LCS/LCSD recovery (50.5%)	327060
IWSE25-025-(0-0.5) MSD	20606293714	MSD	SW8270C	S		Benzidine	J- / UJ to RRs/NDs	TRG	6/30/2006	10:00	7/2/2006	20:56	low ave MS/MSD recovery (1%)	327060
x	B2208	CCV1	SW8270C			Benzidine	J- / UJ to RRs/NDs	SVOC			7/2/06	13:21	calibration drift (%D= -29)	
LCSD for HBN 326840 [EXTO/1404]	385658	LCSD	SW8270C	S		Benzidine	J to RRs	TRG	6/30/2006	10:00	7/2/2006	17:57	poor LCS/LCSD precision (57 RPD)	327060

ATTACHMENT 1

Sample_ID	Lab_Sample_ID	Test_type_code	Analytical_Method	Total_or_dissolved	Matrix	Parameter	Valid_qualifier	Result_type_code	Prep_date	Prep_time	Analysis_Date	Analysis_Time	QC_comment	QC_Batch
LCSD for HBN 326840 [EXTO/1404	385658	LCSD	SW8270C		S	Benzo(k)fluoranthene	J- / UJ to RRs/NDs	TRG	6/30/2006	10:00	7/2/2006	17:57	low ave LCS/LCSD recovery (58%)	327060
IWSE25-025-(0-0.5) MSD	20606293714	MSD	SW8270C		S	Benzoic acid	J- / UJ to RRs/NDs	TRG	6/30/2006	10:00	7/2/2006	20:56	low ave MS/MSD recovery (43%)	327060
MB for HBN 326840 [EXTO/14042]	385656	LB	SW8270C		S	Bis(2-Ethylhexyl)phthalate	U to RRs < 10 x BlankEquivConc	TRG	6/30/2006	10:00	7/2/2006	17:27	laboratory blank contamination (20.4 J ug/Kg)	327060
LCSD for HBN 326840 [EXTO/1404	385658	LCSD	SW8270C		S	Fluoranthene	J- / UJ to RRs/NDs	TRG	6/30/2006	10:00	7/2/2006	17:57	low ave LCS/LCSD recovery (58.5%)	327060
IWSE25-025-(0-0.5) MSD	20606293714	MSD	SW8270C		S	Fluoranthene	J- / UJ to RRs/NDs	TRG	6/30/2006	10:00	7/2/2006	20:56	low ave MS/MSD recovery (59%)	327060
LCSD for HBN 326840 [EXTO/1404	385658	LCSD	SW8270C		S	Hexachlorocyclopentadiene	J- / UJ to RRs/NDs	TRG	6/30/2006	10:00	7/2/2006	17:57	low ave LCS/LCSD recovery (37.5%)	327060
IWSE25-025-(0-0.5) MSD	20606293714	MSD	SW8270C		S	Hexachlorocyclopentadiene	J- / UJ to RRs/NDs	TRG	6/30/2006	10:00	7/2/2006	20:56	low ave MS/MSD recovery (40.5%)	327060
LCSD for HBN 326840 [EXTO/1404	385658	LCSD	SW8270C		S	Hexachloroethane	J- / UJ to RRs/NDs	TRG	6/30/2006	10:00	7/2/2006	17:57	low ave LCS/LCSD recovery (54.5%)	327060
IWSE25-025-(0-0.5) MSD	20606293714	MSD	SW8270C		S	Hexachloroethane	J- / UJ to RRs/NDs	TRG	6/30/2006	10:00	7/2/2006	20:56	low ave MS/MSD recovery (58%)	327060
x	B2161	ICAL	SW8270C			Phenol	J / UJ to RRs/NDs	SVOC			7/1/06	18:17	poor calibration fit (%RSD=20)	
LCSD for HBN 326840 [EXTO/1404	385658	LCSD	SW8270C		S	Pyridine	J- / UJ to RRs/NDs	TRG	6/30/2006	10:00	7/2/2006	17:57	low ave LCS/LCSD recovery (49.5%)	327060
x	B2161	ICAL	SW8270C			Pyridine	J / UJ to RRs/NDs	SVOC			7/1/06	18:17	poor calibration fit (%RSD=16)	
IWSE25-044(0-0.5)	20606293706	SMP	SW9060		S	Total Organic Carbon	J / UJ to RRs/NDs	TRG			7/7/2006	8:30	large difference between field duplicate pair	327331
IWSE25-025-(0-0.5) MSD	20606293714	MSD	SW9060		S	Total Organic Carbon	J+ to RRs	TRG			7/7/2006	8:30	high ave MS/MSD recovery (145%)	327331

DATA VALIDATION CHECKLIST (Level III)				
ITEM	Yes	No	NA	Comment Number
Client Name: Pastor, Behling, & Wheeler				Project Number: 1352
Property Location: Gulfco Superfund Site				Project Manager: Eric Pastor
Laboratory: GCAL – Baton Rouge, LA				Laboratory Job No.: 206062938 + revision, 206083108
Reviewer: Taryn Scholz (QAA, L.L.C.)				Date Checked: 8/14/06, 9/6/06, 9/8/06
Chain of Custody (COC) and Sample Receipt at Lab				
1. Signed COCs included and seals used?	x			1.
2. Date and time of sample collection included?	x			
3. All samples listed on the COC analyzed for in accordance with the RI/FS Work Plan?	x			
4. Field QC sample frequency met project requirements?	x			
5. Sample receipt temperature 2-6°C?	x			
6. Samples preserved appropriately?	x			
7. Samples received within 2 days of collection?		x		7.
8. No problems noted?	x			
Laboratory Report and Data Package				
9. Signed Case Narrative included?	x			
10. No analytical discrepancies noted in case narrative?		x		10.
11. Elevated reporting limits justified?	x			11.
12. MDLs reasonable per DCS?	x			
13. Calibration data acceptable?		x		see attached
14. ICV and CCV recoveries within project control limits?		x		see attached
15. ICB and CCB results <RL (MQL)?		x		see attached
16. Internal standard areas within project control limits?		x		see attached
Laboratory EDD				
17. Field sample IDs included?	x			
18. Laboratory sample IDs included?	x			
19. Date of analysis included?	x			
20. Date of sample preparation included?	x			
21. Samples prepared within holding time?	x			
22. Samples analyzed within holding time?	x			
23. Detection limit and quantitation limit included?	x			
24. Project target limits achieved?	x			
25. No elevated reporting limits?		x		11.
26. Method references included?	x			
27. Sample matrix included?	x			
28. Sample result units reported correctly?	x			
29. Soil/ sediment results corrected for dry-weight?	x			
30. Method blank results <RL (MDL)?		x		see attached
31. Equipment and Trip blank results <RL (MDL)?		x		see attached
32. All COIs included in LCS?	x			32.
33. LCS recovery within project control limits?		x		see attached
34. MS/MSD recoveries within project control limits?		x		see attached
35. LCS/LCSD RPDs within project control limits?		x		see attached
36. MS/MSD RPDs within project control limits?		x		see attached
37. Laboratory duplicate RPDs/Diffs within project control limits?	x			
38. Field duplicate RPDs/Diffs within project control limits?		x		38.
39. Surrogate recoveries within project control limits?		x		see attached
40. Completeness percentage within project limits?	x			

Definitions: CCB – Continuing Calibration Blank; CCV – Continuing Calibration Verification; COI – Compounds of Interest; DCS – Detectability Check Sample; ICB – Initial Calibration Blank; ICV – Initial Calibration Verification; LCS – Laboratory Control Sample; LCSD – Laboratory Control Sample Duplicate; MDL – Method Detection Limit; MS/MSD – Matrix Spike/Matrix Spike Duplicate; RL – Reporting Limit; RPD – Relative Percent Difference				
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COMMENTS

Level IV Check - GC/MS RRF for instrument calibration also included in Level III checks after deficiencies noted in first samples – see attached for deficiencies noted.

Level IV Check - GC 2nd Quant RPD also included based on deficiency found in GC06SE. See attached for deficiencies noted.

1. VOC not checked for TB or IWSE-10-010(0-0.5) - added at lab

7. Samples held 3 days but on-site except overnight shipping and at proper temp

10. Issues noted for all parameters. All are based on laboratory limits, which do not affect flagging for this site, except:

AROCLOLOR – forgot spike in LCS/D, not enough sample to RE (326852) – this is batch for EQBK only
METALS - Fe in the LB

11. VOC - All samples analyzed at 50x (med level) for 2CEV and n-Butanol due to ICAL failure for low level analysis. IWSE-03-034 (0-0.5) and IWSE-12-012 (0-0.5) diluted for IS issues due to matrix. (Other VOCs also reported at 2-5x dilution assumed due to same reason.)

32. All analytes routinely spiked by lab are included as per QAPP. This is every TA except n-Butyl alcohol, Toxaphene, and the 5 middle Aroclors.

38. The reported analysis for the field duplicate IWSE-03-034-(0-0.5) compared well to the parent sample IWSE-03-003-(0-0.5) except for the VOC fraction. Further evaluation showed that the Client ID and Laboratory ID did not agree on the quantitation report and that the chromatographic profile of the field duplicate was much different from the parent sample. The laboratory could not explain the ID discrepancy but did provide a 1x dilution of the field duplicate, which was not originally submitted due to slightly low internal standard areas. (The laboratory reran the sample at a 2x dilution and that is the analysis which was submitted and has a questionable sample ID.) The data for the 1x dilution was submitted separately in 206083108. The 1x dilution compares well to the parent sample and the internal standard area deficiency is considered to have minimal effect on data quality. The validator selected the 1x dilution for use by qualifying all analytes for the 2x dilution in the original EDD (206062938 submitted 8/14/06) with a NS-flag. Note that the results for the 1x dilution in the additional EDD (206083108v2 submitted 9/6/06) are qualified as estimated (J/UJ) due to slightly low IS area. (EDD 206083108v2 was a second submittal after the laboratory realized the first version included data for 2-Chloroethylvinyl ether, which was reported from the 50x dilution as explained above and not the low level analysis. Likewise, data for n-Butyl alcohol should have been removed. The validator marked this data with a QC comment of 'NA - this analyte reported from 50x dilution in 206062938'.)

PESTICIDE REVISIONS – As discussed in Comment no. 8 under the Level IV section for SDG 206062937, the laboratory submitted revised pesticide data for this SDG. Since the original data had already been validated and flagged, the original EDD (206062938 submitted on 8/14/06) was retained for the non-Pesticide data. The Pesticide data in the original EDD was marked with a QC comment of 'NA – revised Pesticide data submitted in 206062938rev'. Similarly, the non-Pesticide data in the revised EDD (206062938rev submitted on 9/8/06) was marked with a QC comment of 'NA – record validated in original submission 206062938'.

(Also see Comment no.1 under the Level IV Section for SDG 206062937.)

SET SUMMARY
Laboratory Job No.: 206062938 and 206083108

17	Number of Field Samples including Field Duplicates (1)
1	Number of Field MS/MSD Pairs
1	Number of Equipment Rinsate Blanks
0	Number of Field Blanks
1	Number of VOC Trip Blanks
6	Number of Parameters (VOC, SVOC, Pesticides, Aroclors, Metals, TOC)
199	Number of Target Analytes per Sample
3456	Total Measurements for Field Samples - Two analyses (1x and 2x dilution) reported for 73 VOCs for IWSE-03-034-(0-0.5)
2732	Number of measurements with no validation qualifier (i.e., "none" in EDD)
363	Number of measurements with UJ flag (for various analytes due to low laboratory and/or matrix spike recovery; low internal standard area; poor calibration fit and/or calibration drift)
34	Number of measurements with UJ flag and an elevated SDL (for Acrolein and n-Butyl alcohol due to poor instrument response, i.e., low RRF)
4	Number of measurements with J- flag (one for Antimony due to extremely low matrix spike recovery and three for PAHs due to low laboratory spike and/or matrix spike recovery)
125	Number of measurements with J flag (due solely to result being between the SDL and SQL)
38	Number of measurements with J flag (due to result being between the SDL and SQL plus some other QC deficiency such as calibration drift or matrix spike recovery outside limits)
51	Number of measurements with J flag (seventeen for Lead and seventeen for Iron due to poor field duplicate precision plus seventeen for Zinc due to poor matrix spike duplicate precision)
0	Number of measurements with J+ flag
36	Number of measurements with U flag (due to blank contamination; analytes affected include Acetone, Bis(2-Ethylhexyl)phthalate, Di-n-butyl phthalate, Methylene chloride, and Thallium)
73	Number of measurements with NS flag
0	Number of measurements with R flag
100%	Completeness-to-date on a sample level (percentage of sediment samples with usable data, project goal 90%)
100%	Completeness-to-date on an analyte level (percentage of sediment samples with usable data for a specific analyte, project goal 80%) – all target analytes

Usability: All data suitable as qualified for the intended use. Data for Acrolein and n-Butyl alcohol usable with an elevated reporting limit for the non-detects (as given in the Electronic Data Deliverable).

QUALIFIED DATA TABLE

Field Sample Identification	Analyte	Data Qualifier	Reason for Qualification
IWSE-01-001-(0-0.5)	Antimony	J	result between SDL and SQL; extremely low MS/MSD recovery (28%)
IWSE-01-001-(0-0.5)	Iron	J	poor field duplicate precision (64 RPD)
IWSE-01-001-(0-0.5)	Lead	J	poor field duplicate precision (56 RPD)
IWSE-01-001-(0-0.5)	Molybdenum	J	result between SDL and SQL
IWSE-01-001-(0-0.5)	Silver	J	result between SDL and SQL
IWSE-01-001-(0-0.5)	Thallium	U	result between SDL and SQL; equipment blank contamination (0.0055 B mg/L)
IWSE-01-001-(0-0.5)	Zinc	J	poor MS/MSD precision (34 RPD)
IWSE-01-001-(0-0.5)	4,4'-DDT	J	calibration drift (%D= 19); low ave MS/MSD recovery (34.5%)
IWSE-01-001-(0-0.5)	Endosulfan I	UJ	low ave LCS/LCSD recovery (50.5%); high ave MS/MSD recovery (305%); poor MS/MSD precision (142 RPD)
IWSE-01-001-(0-0.5)	Methoxychlor	UJ	low ave MS/MSD recovery (31%)
IWSE-01-001-(0-0.5)	2-Chloroethylvinyl ether	UJ	low ave MS/MSD recovery (47%)
IWSE-01-001-(0-0.5)	Acrolein	UJ	low instrument response (low RRF); elevate SDL for NDs 5x (Sed); low ave MS/MSD recovery (27.5%)
IWSE-01-001-(0-0.5)	n-Butyl alcohol	UJ	low instrument response (low RRF); elevate SDL for NDs 5x (Sed)
IWSE-01-001-(0-0.5)	Vinyl chloride	UJ	poor calibration fit (%RSD=18)
IWSE-01-001-(0-0.5)	2,4-Dinitrophenol	UJ	low ave LCS/LCSD recovery (57%)
IWSE-01-001-(0-0.5)	3-Nitroaniline	UJ	low ave LCS/LCSD recovery (59%); low ave MS/MSD recovery (58%)
IWSE-01-001-(0-0.5)	4-Nitroaniline	UJ	low ave MS/MSD recovery (54%)
IWSE-01-001-(0-0.5)	Benzaldehyde	UJ	low ave MS/MSD recovery (52%)
IWSE-01-001-(0-0.5)	Benzidine	UJ	calibration drift (%D= -29); low ave LCS/LCSD recovery (50.5%); low ave MS/MSD recovery (30%)
IWSE-01-001-(0-0.5)	Benzo(b)fluoranthene	J	result between SDL and SQL
IWSE-01-001-(0-0.5)	Benzo(k)fluoranthene	UJ	low ave LCS/LCSD recovery (58%)
IWSE-01-001-(0-0.5)	Benzoic acid	UJ	low ave MS/MSD recovery (38.5%)
IWSE-01-001-(0-0.5)	Bis(2-Ethylhexyl)phthalate	U	result between SDL and SQL; laboratory blank contamination (20.4 J ug/Kg); equipment blank contamination (22.8 ug/L)
IWSE-01-001-(0-0.5)	Chrysene	J	result between SDL and SQL
IWSE-01-001-(0-0.5)	Fluoranthene	J	result between SDL and SQL; low ave LCS/LCSD recovery (58.5%); low ave MS/MSD recovery (55.5%)
IWSE-01-001-(0-0.5)	Hexachlorocyclopentadiene	UJ	low ave LCS/LCSD recovery (37.5%); low ave MS/MSD recovery (52.5%)
IWSE-01-001-(0-0.5)	Hexachloroethane	UJ	low ave LCS/LCSD recovery (54.5%); low ave MS/MSD recovery (58%)
IWSE-01-001-(0-0.5)	Phenanthrene	J	result between SDL and SQL
IWSE-01-001-(0-0.5)	Phenol	UJ	poor calibration fit (%RSD=20)
IWSE-01-001-(0-0.5)	Pyrene	J	result between SDL and SQL
IWSE-01-001-(0-0.5)	Pyridine	UJ	poor calibration fit (%RSD=16); low ave LCS/LCSD recovery (49.5%)
IWSE-02-002-(0-0.5)	Antimony	J	result between SDL and SQL; extremely low MS/MSD recovery (28%)
IWSE-02-002-(0-0.5)	Iron	J	poor field duplicate precision (64 RPD)
IWSE-02-002-(0-0.5)	Lead	J	poor field duplicate precision (56 RPD)
IWSE-02-002-(0-0.5)	Molybdenum	J	result between SDL and SQL
IWSE-02-002-(0-0.5)	Silver	J	result between SDL and SQL
IWSE-02-002-(0-0.5)	Thallium	U	result between SDL and SQL; equipment blank contamination (0.0055 B mg/L)
IWSE-02-002-(0-0.5)	Zinc	J	poor MS/MSD precision (34 RPD)
IWSE-02-002-(0-0.5)	4,4'-DDT	UJ	low ave MS/MSD recovery (34.5%)
IWSE-02-002-(0-0.5)	Endosulfan I	UJ	low ave LCS/LCSD recovery (50.5%); high ave MS/MSD

QUALIFIED DATA TABLE

Field Sample Identification	Analyte	Data Qualifier	Reason for Qualification
			recovery (305%); poor MS/MSD precision (142 RPD)
IWSE-02-002-(0-0.5)	Methoxychlor	UJ	low ave MS/MSD recovery (31%)
IWSE-02-002-(0-0.5)	2-Chloroethylvinyl ether	UJ	low ave MS/MSD recovery (47%)
IWSE-02-002-(0-0.5)	Acrolein	UJ	low instrument response (low RRF); elevate SDL for NDs 5x (Sed); low ave MS/MSD recovery (27.5%)
IWSE-02-002-(0-0.5)	n-Butyl alcohol	UJ	low instrument response (low RRF); elevate SDL for NDs 5x (Sed)
IWSE-02-002-(0-0.5)	Vinyl chloride	UJ	poor calibration fit (%RSD=18)
IWSE-02-002-(0-0.5)	2,4-Dinitrophenol	UJ	low ave LCS/LCSD recovery (57%)
IWSE-02-002-(0-0.5)	3-Nitroaniline	UJ	low ave LCS/LCSD recovery (59%); low ave MS/MSD recovery (58%)
IWSE-02-002-(0-0.5)	4-Nitroaniline	UJ	low ave MS/MSD recovery (54%)
IWSE-02-002-(0-0.5)	Anthracene	J	result between SDL and SQL
IWSE-02-002-(0-0.5)	Benzaldehyde	UJ	low ave MS/MSD recovery (52%)
IWSE-02-002-(0-0.5)	Benzidine	UJ	calibration drift (%D=-29); low ave LCS/LCSD recovery (50.5%); low ave MS/MSD recovery (30%)
IWSE-02-002-(0-0.5)	Benzo(a)pyrene	J	result between SDL and SQL
IWSE-02-002-(0-0.5)	Benzo(b)fluoranthene	J	result between SDL and SQL
IWSE-02-002-(0-0.5)	Benzo(g,h,i)perylene	J	result between SDL and SQL
IWSE-02-002-(0-0.5)	Benzo(k)fluoranthene	J	result between SDL and SQL; low ave LCS/LCSD recovery (58%)
IWSE-02-002-(0-0.5)	Benzoic acid	UJ	low ave MS/MSD recovery (38.5%)
IWSE-02-002-(0-0.5)	Bis(2-Ethylhexyl)phthalate	U	result between SDL and SQL; laboratory blank contamination (20.4 J ug/Kg); equipment blank contamination (22.8 ug/L)
IWSE-02-002-(0-0.5)	Chrysene	J	result between SDL and SQL
IWSE-02-002-(0-0.5)	Dibenz(a,h)anthracene	J	result between SDL and SQL
IWSE-02-002-(0-0.5)	Fluoranthene	J	result between SDL and SQL; low ave LCS/LCSD recovery (58.5%); low ave MS/MSD recovery (55.5%)
IWSE-02-002-(0-0.5)	Fluorene	J	result between SDL and SQL
IWSE-02-002-(0-0.5)	Hexachlorocyclopentadiene	UJ	low ave LCS/LCSD recovery (37.5%); low ave MS/MSD recovery (52.5%)
IWSE-02-002-(0-0.5)	Hexachloroethane	UJ	low ave LCS/LCSD recovery (54.5%); low ave MS/MSD recovery (58%)
IWSE-02-002-(0-0.5)	Indeno(1,2,3-cd)pyrene	J	result between SDL and SQL
IWSE-02-002-(0-0.5)	Phenol	UJ	poor calibration fit (%RSD=20)
IWSE-02-002-(0-0.5)	Pyrene	J	result between SDL and SQL
IWSE-02-002-(0-0.5)	Pyridine	UJ	poor calibration fit (%RSD=16); low ave LCS/LCSD recovery (49.5%)
IWSE-03-003-(0-0.5)	Antimony	J	result between SDL and SQL; extremely low MS/MSD recovery (28%)
IWSE-03-003-(0-0.5)	Iron	J	poor field duplicate precision (64 RPD)
IWSE-03-003-(0-0.5)	Lead	J	poor field duplicate precision (56 RPD)
IWSE-03-003-(0-0.5)	Molybdenum	J	result between SDL and SQL
IWSE-03-003-(0-0.5)	Silver	J	result between SDL and SQL
IWSE-03-003-(0-0.5)	Thallium	U	result between SDL and SQL; equipment blank contamination (0.0055 B mg/L)
IWSE-03-003-(0-0.5)	Zinc	J	poor MS/MSD precision (34 RPD)
IWSE-03-003-(0-0.5)	4,4'-DDT	J	result is between SDL and SQL; low ave MS/MSD recovery (34.5%)
IWSE-03-003-(0-0.5)	Endosulfan I	UJ	low ave LCS/LCSD recovery (50.5%); high ave MS/MSD recovery (305%); poor MS/MSD precision (142 RPD)
IWSE-03-003-(0-0.5)	Methoxychlor	UJ	low ave MS/MSD recovery (31%)
IWSE-03-003-(0-0.5)	2-Chloroethylvinyl ether	UJ	low ave MS/MSD recovery (47%)
IWSE-03-003-(0-0.5)	Acrolein	UJ	low instrument response (low RRF); elevate SDL for NDs 5x

QUALIFIED DATA TABLE

Field Sample Identification	Analyte	Data Qualifier	Reason for Qualification
			(Sed); low ave MS/MSD recovery (27.5%)
IWSE-03-003-(0-0.5)	n-Butyl alcohol	UJ	low instrument response (low RRF); elevate SDL for NDs 5x (Sed)
IWSE-03-003-(0-0.5)	Vinyl chloride	UJ	poor calibration fit (%RSD=18)
IWSE-03-003-(0-0.5)	2,4-Dinitrophenol	UJ	low ave LCS/LCSD recovery (45%)
IWSE-03-003-(0-0.5)	2-Methylnaphthalene	J	result between SDL and SQL
IWSE-03-003-(0-0.5)	3-Nitroaniline	UJ	low ave MS/MSD recovery (58%)
IWSE-03-003-(0-0.5)	4-Chloroaniline	UJ	low ave LCS/LCSD recovery (56.5%)
IWSE-03-003-(0-0.5)	4-Nitroaniline	UJ	low ave MS/MSD recovery (54%)
IWSE-03-003-(0-0.5)	Acenaphthene	J	result between SDL and SQL
IWSE-03-003-(0-0.5)	Anthracene	J	result between SDL and SQL
IWSE-03-003-(0-0.5)	Benzaldehyde	UJ	calibration drift (%D= -45); low ave LCS/LCSD recovery (20%); low ave MS/MSD recovery (52%)
IWSE-03-003-(0-0.5)	Benzidine	UJ	calibration drift (%D= -86); low ave LCS/LCSD recovery (42%); low ave MS/MSD recovery (30%)
IWSE-03-003-(0-0.5)	Benzo(g,h,i)perylene	J	result between SDL and SQL
IWSE-03-003-(0-0.5)	Benzo(k)fluoranthene	J	result between SDL and SQL
IWSE-03-003-(0-0.5)	Benzoic acid	UJ	low ave MS/MSD recovery (38.5%)
IWSE-03-003-(0-0.5)	Bis(2-Ethylhexyl)phthalate	U	laboratory blank contamination (13.8 J ug/Kg); equipment blank contamination (22.8 ug/L)
IWSE-03-003-(0-0.5)	Carbazole	J	result between SDL and SQL
IWSE-03-003-(0-0.5)	Chrysene	J	result between SDL and SQL
IWSE-03-003-(0-0.5)	Dibenzofuran	J	result between SDL and SQL
IWSE-03-003-(0-0.5)	Di-n-butyl phthalate	U	result between SDL and SQL; equipment blank contamination (2.5 J ug/L)
IWSE-03-003-(0-0.5)	Di-n-octyl phthalate	J	result between SDL and SQL
IWSE-03-003-(0-0.5)	Fluoranthene	J-	low ave MS/MSD recovery (55.5%)
IWSE-03-003-(0-0.5)	Fluorene	J	result between SDL and SQL
IWSE-03-003-(0-0.5)	Hexachlorocyclopentadiene	UJ	low ave MS/MSD recovery (52.5%)
IWSE-03-003-(0-0.5)	Hexachloroethane	UJ	low ave LCS/LCSD recovery (59.5%); low ave MS/MSD recovery (58%)
IWSE-03-003-(0-0.5)	Indeno(1,2,3-cd)pyrene	J	result between SDL and SQL
IWSE-03-003-(0-0.5)	Phenol	UJ	poor calibration fit (%RSD=20)
IWSE-03-003-(0-0.5)	Pyridine	UJ	poor calibration fit (%RSD=16)
IWSE-03-034-(0-0.5)	Antimony	J	result between SDL and SQL; extremely low MS/MSD recovery (28%)
IWSE-03-034-(0-0.5)	Iron	J	poor field duplicate precision (64 RPD)
IWSE-03-034-(0-0.5)	Lead	J	poor field duplicate precision (56 RPD)
IWSE-03-034-(0-0.5)	Molybdenum	J	result between SDL and SQL
IWSE-03-034-(0-0.5)	Silver	J	result between SDL and SQL
IWSE-03-034-(0-0.5)	Thallium	U	result between SDL and SQL; equipment blank contamination (0.0055 B mg/L)
IWSE-03-034-(0-0.5)	Zinc	J	poor MS/MSD precision (34 RPD)
IWSE-03-034-(0-0.5)	4,4'-DDE	J	result is between SDL and SQL; high ave MS/MSD recovery (352.5%); poor MS/MSD precision (130 RPD)
IWSE-03-034-(0-0.5)	4,4'-DDT	UJ	low ave MS/MSD recovery (34.5%)
IWSE-03-034-(0-0.5)	Endosulfan I	UJ	low ave LCS/LCSD recovery (50.5%); high ave MS/MSD recovery (305%); poor MS/MSD precision (142 RPD)
IWSE-03-034-(0-0.5)	Methoxychlor	UJ	low ave MS/MSD recovery (31%)
IWSE-03-034-(0-0.5)	1,1,1,2-Tetrachloroethane	NS	sample ID in question; poor field duplicate precision; another analysis selected based on QC and the reported result
IWSE-03-034-(0-0.5)	1,1,1-Trichloroethane	NS	sample ID in question; poor field duplicate precision; another analysis selected based on QC and the reported result

QUALIFIED DATA TABLE

Field Sample Identification	Analyte	Data Qualifier	Reason for Qualification
IWSE-03-034-(0-0.5)	1,1,2,2-Tetrachloroethane	NS	sample ID in question; poor field duplicate precision; another analysis selected based on QC and the reported result
IWSE-03-034-(0-0.5)	1,1,2-Trichloroethane	NS	sample ID in question; poor field duplicate precision; another analysis selected based on QC and the reported result
IWSE-03-034-(0-0.5)	1,1-Dichloroethane	NS	sample ID in question; poor field duplicate precision; another analysis selected based on QC and the reported result
IWSE-03-034-(0-0.5)	1,1-Dichloroethene	NS	sample ID in question; poor field duplicate precision; another analysis selected based on QC and the reported result
IWSE-03-034-(0-0.5)	1,1-Dichloropropene	NS	sample ID in question; poor field duplicate precision; another analysis selected based on QC and the reported result
IWSE-03-034-(0-0.5)	1,2,3-Trichloropropane	NS	sample ID in question; poor field duplicate precision; another analysis selected based on QC and the reported result
IWSE-03-034-(0-0.5)	1,2,4-Trichlorobenzene	NS	sample ID in question; poor field duplicate precision; another analysis selected based on QC and the reported result
IWSE-03-034-(0-0.5)	1,2,4-Trimethylbenzene	NS	sample ID in question; poor field duplicate precision; another analysis selected based on QC and the reported result
IWSE-03-034-(0-0.5)	1,2-Dibromo-3-chloropropane	NS	sample ID in question; poor field duplicate precision; another analysis selected based on QC and the reported result
IWSE-03-034-(0-0.5)	1,2-Dibromoethane	NS	sample ID in question; poor field duplicate precision; another analysis selected based on QC and the reported result
IWSE-03-034-(0-0.5)	1,2-Dichlorobenzene	NS	sample ID in question; poor field duplicate precision; another analysis selected based on QC and the reported result
IWSE-03-034-(0-0.5)	1,2-Dichloroethane	NS	calibration drift (%D= -21); sample ID in question; poor field duplicate precision; another analysis selected based on QC and the reported result
IWSE-03-034-(0-0.5)	1,2-Dichloropropane	NS	sample ID in question; poor field duplicate precision; another analysis selected based on QC and the reported result
IWSE-03-034-(0-0.5)	1,3,5-Trimethylbenzene	NS	result between SDL and SQL; sample ID in question; poor field duplicate precision; another analysis selected based on QC and the reported result
IWSE-03-034-(0-0.5)	1,3-Dichlorobenzene	NS	sample ID in question; poor field duplicate precision; another analysis selected based on QC and the reported result
IWSE-03-034-(0-0.5)	1,3-Dichloropropane	NS	sample ID in question; poor field duplicate precision; another analysis selected based on QC and the reported result
IWSE-03-034-(0-0.5)	1,4-Dichlorobenzene	NS	result between SDL and SQL; sample ID in question; poor field duplicate precision; another analysis selected based on QC and the reported result
IWSE-03-034-(0-0.5)	2,2-Dichloropropane	NS	sample ID in question; poor field duplicate precision; another analysis selected based on QC and the reported result
IWSE-03-034-(0-0.5)	2-Butanone	NS	result between SDL and SQL; sample ID in question; poor field duplicate precision; another analysis selected based on QC and the reported result
IWSE-03-034-(0-0.5)	2-Chloroethylvinyl ether	UJ	low ave MS/MSD recovery (47%)
IWSE-03-034-(0-0.5)	2-Chlorotoluene	NS	sample ID in question; poor field duplicate precision; another analysis selected based on QC and the reported result
IWSE-03-034-(0-0.5)	2-Hexanone	NS	sample ID in question; poor field duplicate precision; another analysis selected based on QC and the reported result
IWSE-03-034-(0-0.5)	4-Chlorotoluene	NS	sample ID in question; poor field duplicate precision; another analysis selected based on QC and the reported result
IWSE-03-034-(0-0.5)	4-Isopropyltoluene	NS	sample ID in question; poor field duplicate precision; another analysis selected based on QC and the reported result
IWSE-03-034-(0-0.5)	4-Methyl-2-pentanone	NS	sample ID in question; poor field duplicate precision; another analysis selected based on QC and the reported result
IWSE-03-034-(0-0.5)	Acetone	NS	result between SDL and SQL; calibration drift (%D= 28); trip blank contamination (6.86 J ug/L); equipment blank contamination (4.35 J ug/L); sample ID in question; poor field duplicate precision; another analysis selected based on QC and the reported result
IWSE-03-034-(0-0.5)	Acrolein	NS	low instrument response (low RRF); elevate SDL for NDs 5x (Sed); calibration drift (%D= -36); low ave MS/MSD recovery

QUALIFIED DATA TABLE

Field Sample Identification	Analyte	Data Qualifier	Reason for Qualification
			(27.5%); sample ID in question; poor field duplicate precision; another analysis selected based on QC and the reported result
IWSE-03-034-(0-0.5)	Acrylonitrile	NS	calibration drift (%D= -23); sample ID in question; poor field duplicate precision; another analysis selected based on QC and the reported result
IWSE-03-034-(0-0.5)	Benzene	NS	sample ID in question; poor field duplicate precision; another analysis selected based on QC and the reported result
IWSE-03-034-(0-0.5)	Bromobenzene	NS	sample ID in question; poor field duplicate precision; another analysis selected based on QC and the reported result
IWSE-03-034-(0-0.5)	Bromodichloromethane	NS	sample ID in question; poor field duplicate precision; another analysis selected based on QC and the reported result
IWSE-03-034-(0-0.5)	Bromoform	NS	sample ID in question; poor field duplicate precision; another analysis selected based on QC and the reported result
IWSE-03-034-(0-0.5)	Bromomethane	NS	calibration drift (%D= -23); sample ID in question; poor field duplicate precision; another analysis selected based on QC and the reported result
IWSE-03-034-(0-0.5)	Carbon disulfide	NS	sample ID in question; poor field duplicate precision; another analysis selected based on QC and the reported result
IWSE-03-034-(0-0.5)	Carbon tetrachloride	NS	sample ID in question; poor field duplicate precision; another analysis selected based on QC and the reported result
IWSE-03-034-(0-0.5)	Chlorobenzene	NS	result between SDL and SQL; sample ID in question; poor field duplicate precision; another analysis selected based on QC and the reported result
IWSE-03-034-(0-0.5)	Chloroethane	NS	sample ID in question; poor field duplicate precision; another analysis selected based on QC and the reported result
IWSE-03-034-(0-0.5)	Chloroform	NS	result between SDL and SQL; sample ID in question; poor field duplicate precision; another analysis selected based on QC and the reported result
IWSE-03-034-(0-0.5)	Chloromethane	NS	sample ID in question; poor field duplicate precision; another analysis selected based on QC and the reported result
IWSE-03-034-(0-0.5)	cis-1,2-Dichloroethene	NS	sample ID in question; poor field duplicate precision; another analysis selected based on QC and the reported result
IWSE-03-034-(0-0.5)	cis-1,3-Dichloropropene	NS	sample ID in question; poor field duplicate precision; another analysis selected based on QC and the reported result
IWSE-03-034-(0-0.5)	Cyclohexane	NS	sample ID in question; poor field duplicate precision; another analysis selected based on QC and the reported result
IWSE-03-034-(0-0.5)	Dibromochloromethane	NS	sample ID in question; poor field duplicate precision; another analysis selected based on QC and the reported result
IWSE-03-034-(0-0.5)	Dibromomethane	NS	sample ID in question; poor field duplicate precision; another analysis selected based on QC and the reported result
IWSE-03-034-(0-0.5)	Dichlorodifluoromethane	NS	sample ID in question; poor field duplicate precision; another analysis selected based on QC and the reported result
IWSE-03-034-(0-0.5)	Ethylbenzene	NS	result between SDL and SQL; sample ID in question; poor field duplicate precision; another analysis selected based on QC and the reported result
IWSE-03-034-(0-0.5)	Hexachlorobutadiene	NS	sample ID in question; poor field duplicate precision; another analysis selected based on QC and the reported result
IWSE-03-034-(0-0.5)	Isopropylbenzene (Cumene)	NS	sample ID in question; poor field duplicate precision; another analysis selected based on QC and the reported result
IWSE-03-034-(0-0.5)	m,p-Xylene	NS	result between SDL and SQL; sample ID in question; poor field duplicate precision; another analysis selected based on QC and the reported result
IWSE-03-034-(0-0.5)	Methyl Acetate	NS	calibration drift (%D= -27); sample ID in question; poor field duplicate precision; another analysis selected based on QC and the reported result
IWSE-03-034-(0-0.5)	Methyl iodide	NS	sample ID in question; poor field duplicate precision; another analysis selected based on QC and the reported result
IWSE-03-034-(0-0.5)	Methylcyclohexane	NS	sample ID in question; poor field duplicate precision; another analysis selected based on QC and the reported result
IWSE-03-034-(0-0.5)	Methylene chloride	NS	result between SDL and SQL; trip blank contamination (3.63 J

QUALIFIED DATA TABLE

Field Sample Identification	Analyte	Data Qualifier	Reason for Qualification
			ug/L); equipment blank contamination (3.21 J ug/L); sample ID in question; poor field duplicate precision; another analysis selected based on QC and the reported result
IWSE-03-034-(0-0.5)	Naphthalene	NS	sample ID in question; poor field duplicate precision; another analysis selected based on QC and the reported result
IWSE-03-034-(0-0.5)	n-Butyl alcohol	UJ	low instrument response (low RRF); elevate SDL for NDs 5x (Sed)
IWSE-03-034-(0-0.5)	n-Butylbenzene	NS	sample ID in question; poor field duplicate precision; another analysis selected based on QC and the reported result
IWSE-03-034-(0-0.5)	n-Propylbenzene	NS	sample ID in question; poor field duplicate precision; another analysis selected based on QC and the reported result
IWSE-03-034-(0-0.5)	o-Xylene	NS	result between SDL and SQL; sample ID in question; poor field duplicate precision; another analysis selected based on QC and the reported result
IWSE-03-034-(0-0.5)	sec-Butylbenzene	NS	sample ID in question; poor field duplicate precision; another analysis selected based on QC and the reported result
IWSE-03-034-(0-0.5)	Styrene	NS	sample ID in question; poor field duplicate precision; another analysis selected based on QC and the reported result
IWSE-03-034-(0-0.5)	tert-Butyl methyl ether (MTBE)	NS	sample ID in question; poor field duplicate precision; another analysis selected based on QC and the reported result
IWSE-03-034-(0-0.5)	tert-Butylbenzene	NS	sample ID in question; poor field duplicate precision; another analysis selected based on QC and the reported result
IWSE-03-034-(0-0.5)	Tetrachloroethene	NS	result between SDL and SQL; equipment blank contamination (1.12 J ug/L); sample ID in question; poor field duplicate precision; another analysis selected based on QC and the reported result
IWSE-03-034-(0-0.5)	Toluene	NS	result between SDL and SQL; sample ID in question; poor field duplicate precision; another analysis selected based on QC and the reported result
IWSE-03-034-(0-0.5)	trans-1,2-Dichloroethene	NS	sample ID in question; poor field duplicate precision; another analysis selected based on QC and the reported result
IWSE-03-034-(0-0.5)	trans-1,3-Dichloropropene	NS	sample ID in question; poor field duplicate precision; another analysis selected based on QC and the reported result
IWSE-03-034-(0-0.5)	trans-1,4-Dichloro-2-butene	NS	sample ID in question; poor field duplicate precision; another analysis selected based on QC and the reported result
IWSE-03-034-(0-0.5)	Trichloroethene	NS	sample ID in question; poor field duplicate precision; another analysis selected based on QC and the reported result
IWSE-03-034-(0-0.5)	Trichlorofluoromethane	NS	sample ID in question; poor field duplicate precision; another analysis selected based on QC and the reported result
IWSE-03-034-(0-0.5)	Trichlorotrifluoroethane	NS	sample ID in question; poor field duplicate precision; another analysis selected based on QC and the reported result
IWSE-03-034-(0-0.5)	Vinyl acetate	NS	sample ID in question; poor field duplicate precision; another analysis selected based on QC and the reported result
IWSE-03-034-(0-0.5)	Vinyl chloride	NS	poor calibration fit (%RSD=19); sample ID in question; poor field duplicate precision; another analysis selected based on QC and the reported result
IWSE-03-034-(0-0.5)	Xylene (total)	NS	result between SDL and SQL; sample ID in question; poor field duplicate precision; another analysis selected based on QC and the reported result
IWSE-03-034-(0-0.5)	2,4-Dinitrophenol	UJ	low ave LCS/LCSD recovery (57%)
IWSE-03-034-(0-0.5)	2-Methylnaphthalene	J	result between SDL and SQL
IWSE-03-034-(0-0.5)	3-Nitroaniline	UJ	low ave LCS/LCSD recovery (59%); low ave MS/MSD recovery (58%)
IWSE-03-034-(0-0.5)	4-Nitroaniline	UJ	low ave MS/MSD recovery (54%)
IWSE-03-034-(0-0.5)	Acenaphthene	J	result between SDL and SQL
IWSE-03-034-(0-0.5)	Benzaldehyde	UJ	low ave MS/MSD recovery (52%)
IWSE-03-034-(0-0.5)	Benzidine	UJ	calibration drift (%D= -29); low ave LCS/LCSD recovery (50.5%); low ave MS/MSD recovery (30%)

QUALIFIED DATA TABLE

Field Sample Identification	Analyte	Data Qualifier	Reason for Qualification
IWSE-03-034-(0-0.5)	Benzo(k)fluoranthene	J-	low ave LCS/LCSD recovery (58%)
IWSE-03-034-(0-0.5)	Benzoic acid	UJ	low ave MS/MSD recovery (38.5%)
IWSE-03-034-(0-0.5)	Bis(2-Ethylhexyl)phthalate	U	laboratory blank contamination (20.4 J ug/Kg); equipment blank contamination (22.8 ug/L)
IWSE-03-034-(0-0.5)	Carbazole	J	result between SDL and SQL
IWSE-03-034-(0-0.5)	Dibenzofuran	J	result between SDL and SQL
IWSE-03-034-(0-0.5)	Di-n-butyl phthalate	U	result between SDL and SQL; equipment blank contamination (2.5 J ug/L)
IWSE-03-034-(0-0.5)	Fluoranthene	J-	low ave LCS/LCSD recovery (58.5%); low ave MS/MSD recovery (55.5%)
IWSE-03-034-(0-0.5)	Fluorene	J	result between SDL and SQL
IWSE-03-034-(0-0.5)	Hexachlorocyclopentadiene	UJ	low ave LCS/LCSD recovery (37.5%); low ave MS/MSD recovery (52.5%)
IWSE-03-034-(0-0.5)	Hexachloroethane	UJ	low ave LCS/LCSD recovery (54.5%); low ave MS/MSD recovery (58%)
IWSE-03-034-(0-0.5)	Phenol	UJ	poor calibration fit (%RSD=20)
IWSE-03-034-(0-0.5)	Pyridine	UJ	poor calibration fit (%RSD=16); low ave LCS/LCSD recovery (49.5%)
IWSE-03-034-(0-0.5) IX	1,1,1,2-Tetrachloroethane	UJ	low internal standard areas (-54%, -55%, -58% of daily standard areas)
IWSE-03-034-(0-0.5) IX	1,1,1-Trichloroethane	UJ	low internal standard areas (-54%, -55%, -58% of daily standard areas)
IWSE-03-034-(0-0.5) IX	1,1,2,2-Tetrachloroethane	UJ	low internal standard areas (-54%, -55%, -58% of daily standard areas)
IWSE-03-034-(0-0.5) IX	1,1,2-Trichloroethane	UJ	low internal standard areas (-54%, -55%, -58% of daily standard areas)
IWSE-03-034-(0-0.5) IX	1,1-Dichloroethane	UJ	low internal standard areas (-54%, -55%, -58% of daily standard areas)
IWSE-03-034-(0-0.5) IX	1,1-Dichloroethene	UJ	low internal standard areas (-54%, -55%, -58% of daily standard areas)
IWSE-03-034-(0-0.5) IX	1,1-Dichloropropene	UJ	low internal standard areas (-54%, -55%, -58% of daily standard areas)
IWSE-03-034-(0-0.5) IX	1,2,3-Trichloropropane	UJ	low internal standard areas (-54%, -55%, -58% of daily standard areas)
IWSE-03-034-(0-0.5) IX	1,2,4-Trichlorobenzene	UJ	low internal standard areas (-54%, -55%, -58% of daily standard areas)
IWSE-03-034-(0-0.5) IX	1,2,4-Trimethylbenzene	UJ	low internal standard areas (-54%, -55%, -58% of daily standard areas)
IWSE-03-034-(0-0.5) IX	1,2-Dibromo-3-chloropropane	UJ	low internal standard areas (-54%, -55%, -58% of daily standard areas)
IWSE-03-034-(0-0.5) IX	1,2-Dibromoethane	UJ	low internal standard areas (-54%, -55%, -58% of daily standard areas)
IWSE-03-034-(0-0.5) IX	1,2-Dichlorobenzene	UJ	low internal standard areas (-54%, -55%, -58% of daily standard areas)
IWSE-03-034-(0-0.5) IX	1,2-Dichloroethane	UJ	low internal standard areas (-54%, -55%, -58% of daily standard areas)
IWSE-03-034-(0-0.5) IX	1,2-Dichloropropane	UJ	low internal standard areas (-54%, -55%, -58% of daily standard areas)
IWSE-03-034-(0-0.5) IX	1,3,5-Trimethylbenzene	UJ	low internal standard areas (-54%, -55%, -58% of daily standard areas)
IWSE-03-034-(0-0.5) IX	1,3-Dichlorobenzene	UJ	low internal standard areas (-54%, -55%, -58% of daily standard areas)
IWSE-03-034-(0-0.5) IX	1,3-Dichloropropane	UJ	low internal standard areas (-54%, -55%, -58% of daily standard areas)
IWSE-03-034-(0-0.5) IX	1,4-Dichlorobenzene	UJ	low internal standard areas (-54%, -55%, -58% of daily standard areas)
IWSE-03-034-(0-0.5) IX	2,2-Dichloropropane	UJ	low internal standard areas (-54%, -55%, -58% of daily standard areas)

QUALIFIED DATA TABLE

Field Sample Identification	Analyte	Data Qualifier	Reason for Qualification
IWSE-03-034-(0-0.5) 1X	2-Butanone	J	result is between SDL and SQL; low internal standard areas (-54%, -55%, -58% of daily standard areas)
IWSE-03-034-(0-0.5) 1X	2-Chlorotoluene	UJ	low internal standard areas (-54%, -55%, -58% of daily standard areas)
IWSE-03-034-(0-0.5) 1X	2-Hexanone	UJ	low internal standard areas (-54%, -55%, -58% of daily standard areas)
IWSE-03-034-(0-0.5) 1X	4-Chlorotoluene	UJ	low internal standard areas (-54%, -55%, -58% of daily standard areas)
IWSE-03-034-(0-0.5) 1X	4-Isopropyltoluene	UJ	low internal standard areas (-54%, -55%, -58% of daily standard areas)
IWSE-03-034-(0-0.5) 1X	4-Methyl-2-pentanone	UJ	low internal standard areas (-54%, -55%, -58% of daily standard areas)
IWSE-03-034-(0-0.5) 1X	Acetone	U	result is between SDL and SQL; equipment blank contamination (J 4.35 ug/L); trip blank contamination (J 6.86 ug/L); low internal standard areas (-54%, -55%, -58% of daily standard areas)
IWSE-03-034-(0-0.5) 1X	Acrolein	UJ	low instrument response (low RRF); elevate SDL for NDs 5x (Sed); calibration drift (%D= -29); low ave MS/MSD recovery (27.5%); low internal standard areas (-54%, -55%, -58% of daily standard areas)
IWSE-03-034-(0-0.5) 1X	Acrylonitrile	UJ	calibration drift (%D= -26); low internal standard areas (-54%, -55%, -58% of daily standard areas)
IWSE-03-034-(0-0.5) 1X	Benzene	UJ	low internal standard areas (-54%, -55%, -58% of daily standard areas)
IWSE-03-034-(0-0.5) 1X	Bromobenzene	UJ	low internal standard areas (-54%, -55%, -58% of daily standard areas)
IWSE-03-034-(0-0.5) 1X	Bromodichloromethane	UJ	low internal standard areas (-54%, -55%, -58% of daily standard areas)
IWSE-03-034-(0-0.5) 1X	Bromoform	UJ	low internal standard areas (-54%, -55%, -58% of daily standard areas)
IWSE-03-034-(0-0.5) 1X	Bromomethane	UJ	calibration drift (%D= -22); low internal standard areas (-54%, -55%, -58% of daily standard areas)
IWSE-03-034-(0-0.5) 1X	Carbon disulfide	UJ	low internal standard areas (-54%, -55%, -58% of daily standard areas)
IWSE-03-034-(0-0.5) 1X	Carbon tetrachloride	UJ	low internal standard areas (-54%, -55%, -58% of daily standard areas)
IWSE-03-034-(0-0.5) 1X	Chlorobenzene	UJ	low internal standard areas (-54%, -55%, -58% of daily standard areas)
IWSE-03-034-(0-0.5) 1X	Chloroethane	UJ	low internal standard areas (-54%, -55%, -58% of daily standard areas)
IWSE-03-034-(0-0.5) 1X	Chloroform	UJ	low internal standard areas (-54%, -55%, -58% of daily standard areas)
IWSE-03-034-(0-0.5) 1X	Chloromethane	UJ	low internal standard areas (-54%, -55%, -58% of daily standard areas)
IWSE-03-034-(0-0.5) 1X	cis-1,2-Dichloroethene	UJ	low internal standard areas (-54%, -55%, -58% of daily standard areas)
IWSE-03-034-(0-0.5) 1X	cis-1,3-Dichloropropene	UJ	low internal standard areas (-54%, -55%, -58% of daily standard areas)
IWSE-03-034-(0-0.5) 1X	Cyclohexane	UJ	low internal standard areas (-54%, -55%, -58% of daily standard areas)
IWSE-03-034-(0-0.5) 1X	Dibromochloromethane	UJ	low internal standard areas (-54%, -55%, -58% of daily standard areas)
IWSE-03-034-(0-0.5) 1X	Dibromomethane	UJ	low internal standard areas (-54%, -55%, -58% of daily standard areas)
IWSE-03-034-(0-0.5) 1X	Dichlorodifluoromethane	UJ	low internal standard areas (-54%, -55%, -58% of daily standard areas)
IWSE-03-034-(0-0.5) 1X	Ethylbenzene	UJ	low internal standard areas (-54%, -55%, -58% of daily standard areas)
IWSE-03-034-(0-0.5) 1X	Hexachlorobutadiene	UJ	low internal standard areas (-54%, -55%, -58% of daily standard areas)

QUALIFIED DATA TABLE

Field Sample Identification	Analyte	Data Qualifier	Reason for Qualification
IWSE-03-034-(0-0.5) 1X	Isopropylbenzene (Cumene)	UJ	low internal standard areas (-54%, -55%, -58% of daily standard areas)
IWSE-03-034-(0-0.5) 1X	m,p-Xylene	UJ	low internal standard areas (-54%, -55%, -58% of daily standard areas)
IWSE-03-034-(0-0.5) 1X	Methyl Acetate	UJ	calibration drift (%D= -30); low internal standard areas (-54%, -55%, -58% of daily standard areas)
IWSE-03-034-(0-0.5) 1X	Methyl iodide	UJ	low internal standard areas (-54%, -55%, -58% of daily standard areas)
IWSE-03-034-(0-0.5) 1X	Methylcyclohexane	UJ	low internal standard areas (-54%, -55%, -58% of daily standard areas)
IWSE-03-034-(0-0.5) 1X	Methylene chloride	UJ	low internal standard areas (-54%, -55%, -58% of daily standard areas)
IWSE-03-034-(0-0.5) 1X	Naphthalene	UJ	low internal standard areas (-54%, -55%, -58% of daily standard areas)
IWSE-03-034-(0-0.5) 1X	n-Butylbenzene	UJ	low internal standard areas (-54%, -55%, -58% of daily standard areas)
IWSE-03-034-(0-0.5) 1X	n-Propylbenzene	UJ	low internal standard areas (-54%, -55%, -58% of daily standard areas)
IWSE-03-034-(0-0.5) 1X	o-Xylene	UJ	low internal standard areas (-54%, -55%, -58% of daily standard areas)
IWSE-03-034-(0-0.5) 1X	sec-Butylbenzene	UJ	low internal standard areas (-54%, -55%, -58% of daily standard areas)
IWSE-03-034-(0-0.5) 1X	Styrene	UJ	low internal standard areas (-54%, -55%, -58% of daily standard areas)
IWSE-03-034-(0-0.5) 1X	tert-Butyl methyl ether (MTBE)	UJ	low internal standard areas (-54%, -55%, -58% of daily standard areas)
IWSE-03-034-(0-0.5) 1X	tert-Butylbenzene	UJ	low internal standard areas (-54%, -55%, -58% of daily standard areas)
IWSE-03-034-(0-0.5) 1X	Tetrachloroethene	UJ	low internal standard areas (-54%, -55%, -58% of daily standard areas)
IWSE-03-034-(0-0.5) 1X	Toluene	UJ	low internal standard areas (-54%, -55%, -58% of daily standard areas)
IWSE-03-034-(0-0.5) 1X	trans-1,2-Dichloroethene	UJ	low internal standard areas (-54%, -55%, -58% of daily standard areas)
IWSE-03-034-(0-0.5) 1X	trans-1,3-Dichloropropene	UJ	low internal standard areas (-54%, -55%, -58% of daily standard areas)
IWSE-03-034-(0-0.5) 1X	trans-1,4-Dichloro-2-butene	UJ	low internal standard areas (-54%, -55%, -58% of daily standard areas)
IWSE-03-034-(0-0.5) 1X	Trichloroethene	UJ	low internal standard areas (-54%, -55%, -58% of daily standard areas)
IWSE-03-034-(0-0.5) 1X	Trichlorofluoromethane	UJ	low internal standard areas (-54%, -55%, -58% of daily standard areas)
IWSE-03-034-(0-0.5) 1X	Trichlorotrifluoroethane	UJ	low internal standard areas (-54%, -55%, -58% of daily standard areas)
IWSE-03-034-(0-0.5) 1X	Vinyl acetate	UJ	low internal standard areas (-54%, -55%, -58% of daily standard areas)
IWSE-03-034-(0-0.5) 1X	Vinyl chloride	UJ	poor calibration fit (%RSD=19); low internal standard areas (-54%, -55%, -58% of daily standard areas)
IWSE-03-034-(0-0.5) 1X	Xylene (total)	UJ	low internal standard areas (-54%, -55%, -58% of daily standard areas)
IWSE-04-004(0-0.5)	Antimony	J	result between SDL and SQL; extremely low MS/MSD recovery (28%)
IWSE-04-004(0-0.5)	Iron	J	poor field duplicate precision (64 RPD)
IWSE-04-004(0-0.5)	Lead	J	poor field duplicate precision (56 RPD)
IWSE-04-004(0-0.5)	Molybdenum	J	result between SDL and SQL
IWSE-04-004(0-0.5)	Silver	J	result between SDL and SQL
IWSE-04-004(0-0.5)	Thallium	U	result between SDL and SQL; equipment blank contamination (0.0055 B mg/L)
IWSE-04-004(0-0.5)	Zinc	J	poor MS/MSD precision (34 RPD)

QUALIFIED DATA TABLE

Field Sample Identification	Analyte	Data Qualifier	Reason for Qualification
IWSE-04-004(0-0.5)	4,4'-DDT	J	result is between SDL and SQL; calibration drift (%D= 23); low ave MS/MSD recovery (34.5%)
IWSE-04-004(0-0.5)	Endosulfan I	UJ	low ave LCS/LCSD recovery (50.5%); high ave MS/MSD recovery (305%); poor MS/MSD precision (142 RPD)
IWSE-04-004(0-0.5)	Methoxychlor	UJ	low ave MS/MSD recovery (31%)
IWSE-04-004(0-0.5)	2-Chloroethylvinyl ether	UJ	low ave MS/MSD recovery (47%)
IWSE-04-004(0-0.5)	Acrolein	UJ	low instrument response (low RRF); elevate SDL for NDs 5x (Sed); calibration drift (%D= -29); low ave MS/MSD recovery (27.5%)
IWSE-04-004(0-0.5)	Acrylonitrile	UJ	calibration drift (%D= -26)
IWSE-04-004(0-0.5)	Bromomethane	UJ	calibration drift (%D= -22)
IWSE-04-004(0-0.5)	Methyl Acetate	UJ	calibration drift (%D= -30)
IWSE-04-004(0-0.5)	n-Butyl alcohol	UJ	low instrument response (low RRF); elevate SDL for NDs 5x (Sed)
IWSE-04-004(0-0.5)	Vinyl chloride	UJ	poor calibration fit (%RSD=19)
IWSE-04-004(0-0.5)	2,4-Dinitrophenol	UJ	low ave LCS/LCSD recovery (57%)
IWSE-04-004(0-0.5)	3-Nitroaniline	UJ	low ave LCS/LCSD recovery (59%); low ave MS/MSD recovery (58%)
IWSE-04-004(0-0.5)	4-Nitroaniline	UJ	low ave MS/MSD recovery (54%)
IWSE-04-004(0-0.5)	Anthracene	J	result between SDL and SQL
IWSE-04-004(0-0.5)	Benzaldehyde	UJ	low ave MS/MSD recovery (52%)
IWSE-04-004(0-0.5)	Benzidine	UJ	calibration drift (%D= -29); low ave LCS/LCSD recovery (50.5%); low ave MS/MSD recovery (30%)
IWSE-04-004(0-0.5)	Benzo(b)fluoranthene	J	result between SDL and SQL
IWSE-04-004(0-0.5)	Benzo(g,h,i)perylene	J	result between SDL and SQL
IWSE-04-004(0-0.5)	Benzo(k)fluoranthene	J	result between SDL and SQL; low ave LCS/LCSD recovery (58%)
IWSE-04-004(0-0.5)	Benzoic acid	UJ	low ave MS/MSD recovery (38.5%)
IWSE-04-004(0-0.5)	Bis(2-Ethylhexyl)phthalate	U	result between SDL and SQL; laboratory blank contamination (20.4 J ug/Kg); equipment blank contamination (22.8 ug/L)
IWSE-04-004(0-0.5)	Chrysene	J	result between SDL and SQL
IWSE-04-004(0-0.5)	Dibenz(a,h)anthracene	J	result between SDL and SQL
IWSE-04-004(0-0.5)	Di-n-butyl phthalate	U	result between SDL and SQL; equipment blank contamination (2.5 J ug/L)
IWSE-04-004(0-0.5)	Fluoranthene	J	result between SDL and SQL; low ave LCS/LCSD recovery (58.5%); low ave MS/MSD recovery (55.5%)
IWSE-04-004(0-0.5)	Hexachlorocyclopentadiene	UJ	low ave LCS/LCSD recovery (37.5%); low ave MS/MSD recovery (52.5%)
IWSE-04-004(0-0.5)	Hexachloroethane	UJ	low ave LCS/LCSD recovery (54.5%); low ave MS/MSD recovery (58%)
IWSE-04-004(0-0.5)	Indeno(1,2,3-cd)pyrene	J	result between SDL and SQL
IWSE-04-004(0-0.5)	Phenanthrene	J	result between SDL and SQL
IWSE-04-004(0-0.5)	Phenol	UJ	poor calibration fit (%RSD=20)
IWSE-04-004(0-0.5)	Pyrene	J	result between SDL and SQL
IWSE-04-004(0-0.5)	Pyridine	UJ	poor calibration fit (%RSD=16); low ave LCS/LCSD recovery (49.5%)
IWSE-05-005(0-0.5)	Antimony	J	result between SDL and SQL; extremely low MS/MSD recovery (28%)
IWSE-05-005(0-0.5)	Iron	J	poor field duplicate precision (64 RPD)
IWSE-05-005(0-0.5)	Lead	J	poor field duplicate precision (56 RPD)
IWSE-05-005(0-0.5)	Molybdenum	J	result between SDL and SQL
IWSE-05-005(0-0.5)	Silver	J	result between SDL and SQL
IWSE-05-005(0-0.5)	Thallium	U	result between SDL and SQL; equipment blank contamination (0.0055 B mg/L)

QUALIFIED DATA TABLE

Field Sample Identification	Analyte	Data Qualifier	Reason for Qualification
IWSE-05-005(0-0.5)	Zinc	J	poor MS/MSD precision (34 RPD)
IWSE-05-005(0-0.5)	4,4'-DDT	UJ	low ave MS/MSD recovery (34.5%)
IWSE-05-005(0-0.5)	Endosulfan I	UJ	low ave LCS/LCSD recovery (50.5%); high ave MS/MSD recovery (305%); poor MS/MSD precision (142 RPD)
IWSE-05-005(0-0.5)	Methoxychlor	UJ	low ave MS/MSD recovery (31%)
IWSE-05-005(0-0.5)	2-Chloroethylvinyl ether	UJ	poor calibration fit (%RSD=26); low ave MS/MSD recovery (47%)
IWSE-05-005(0-0.5)	Acetone	U	result between SDL and SQL; trip blank contamination (6.86 J ug/L); equipment blank contamination (4.35 J ug/L)
IWSE-05-005(0-0.5)	Acrolein	UJ	low instrument response (low RRF); elevate SDL for NDs 5x (Sed); low ave MS/MSD recovery (27.5%)
IWSE-05-005(0-0.5)	n-Butyl alcohol	UJ	low instrument response (low RRF); elevate SDL for NDs 2x (SW) or 50x (Sed)
IWSE-05-005(0-0.5)	Vinyl chloride	UJ	poor calibration fit (%RSD=18)
IWSE-05-005(0-0.5)	2,4-Dinitrophenol	UJ	low ave LCS/LCSD recovery (57%)
IWSE-05-005(0-0.5)	3-Nitroaniline	UJ	low ave LCS/LCSD recovery (59%); low ave MS/MSD recovery (58%)
IWSE-05-005(0-0.5)	4-Nitroaniline	UJ	low ave MS/MSD recovery (54%)
IWSE-05-005(0-0.5)	Anthracene	J	result between SDL and SQL
IWSE-05-005(0-0.5)	Benzaldehyde	UJ	low ave MS/MSD recovery (52%)
IWSE-05-005(0-0.5)	Benzidine	UJ	calibration drift (%D= -29); low ave LCS/LCSD recovery (50.5%); low ave MS/MSD recovery (30%)
IWSE-05-005(0-0.5)	Benzo(a)pyrene	J	result between SDL and SQL
IWSE-05-005(0-0.5)	Benzo(b)fluoranthene	J	result between SDL and SQL
IWSE-05-005(0-0.5)	Benzo(g,h,i)perylene	J	result between SDL and SQL
IWSE-05-005(0-0.5)	Benzo(k)fluoranthene	J	result between SDL and SQL; low ave LCS/LCSD recovery (58%)
IWSE-05-005(0-0.5)	Benzoic acid	UJ	low ave MS/MSD recovery (38.5%)
IWSE-05-005(0-0.5)	Bis(2-Ethylhexyl)phthalate	U	result between SDL and SQL; laboratory blank contamination (20.4 J ug/Kg); equipment blank contamination (22.8 ug/L)
IWSE-05-005(0-0.5)	Carbazole	J	result between SDL and SQL
IWSE-05-005(0-0.5)	Chrysene	J	result between SDL and SQL
IWSE-05-005(0-0.5)	Dibenz(a,h)anthracene	J	result between SDL and SQL
IWSE-05-005(0-0.5)	Fluoranthene	J	result between SDL and SQL; low ave LCS/LCSD recovery (58.5%); low ave MS/MSD recovery (55.5%)
IWSE-05-005(0-0.5)	Fluorene	J	result between SDL and SQL
IWSE-05-005(0-0.5)	Hexachlorocyclopentadiene	UJ	low ave LCS/LCSD recovery (37.5%); low ave MS/MSD recovery (52.5%)
IWSE-05-005(0-0.5)	Hexachloroethane	UJ	low ave LCS/LCSD recovery (54.5%); low ave MS/MSD recovery (58%)
IWSE-05-005(0-0.5)	Indeno(1,2,3-cd)pyrene	J	result between SDL and SQL
IWSE-05-005(0-0.5)	Phenol	UJ	poor calibration fit (%RSD=20)
IWSE-05-005(0-0.5)	Pyrene	J	result between SDL and SQL
IWSE-05-005(0-0.5)	Pyridine	UJ	poor calibration fit (%RSD=16); low ave LCS/LCSD recovery (49.5%)
IWSE-06-006(0-0.5)	Antimony	J	result between SDL and SQL; extremely low MS/MSD recovery (28%)
IWSE-06-006(0-0.5)	Iron	J	poor field duplicate precision (64 RPD)
IWSE-06-006(0-0.5)	Lead	J	poor field duplicate precision (56 RPD)
IWSE-06-006(0-0.5)	Molybdenum	J	result between SDL and SQL
IWSE-06-006(0-0.5)	Silver	J	result between SDL and SQL
IWSE-06-006(0-0.5)	Thallium	U	result between SDL and SQL; equipment blank contamination (0.0055 B mg/L)
IWSE-06-006(0-0.5)	Zinc	J	poor MS/MSD precision (34 RPD)

QUALIFIED DATA TABLE

Field Sample Identification	Analyte	Data Qualifier	Reason for Qualification
IWSE-06-006(0-0.5)	4,4'-DDT	UJ	low ave MS/MSD recovery (34.5%)
IWSE-06-006(0-0.5)	Endosulfan I	UJ	low ave LCS/LCSD recovery (50.5%); high ave MS/MSD recovery (305%); poor MS/MSD precision (142 RPD)
IWSE-06-006(0-0.5)	Methoxychlor	UJ	low ave MS/MSD recovery (31%)
IWSE-06-006(0-0.5)	2-Chloroethylvinyl ether	UJ	poor calibration fit (%RSD=26); low ave MS/MSD recovery (47%)
IWSE-06-006(0-0.5)	Acetone	U	result between SDL and SQL; trip blank contamination (6.86 J ug/L): equipment blank contamination (4.35 J ug/L)
IWSE-06-006(0-0.5)	Acrolein	UJ	low instrument response (low RRF); elevate SDL for NDs 5x (Sed); calibration drift (%D= -29); low ave MS/MSD recovery (27.5%)
IWSE-06-006(0-0.5)	Acrylonitrile	UJ	calibration drift (%D= -26)
IWSE-06-006(0-0.5)	Bromomethane	UJ	calibration drift (%D= -22)
IWSE-06-006(0-0.5)	Methyl Acetate	UJ	calibration drift (%D= -30)
IWSE-06-006(0-0.5)	n-Butyl alcohol	UJ	low instrument response (low RRF); elevate SDL for NDs 2x (SW) or 50x (Sed)
IWSE-06-006(0-0.5)	Vinyl chloride	UJ	poor calibration fit (%RSD=19)
IWSE-06-006(0-0.5)	2,4-Dinitrophenol	UJ	low ave LCS/LCSD recovery (45%)
IWSE-06-006(0-0.5)	3-Nitroaniline	UJ	low ave MS/MSD recovery (58%)
IWSE-06-006(0-0.5)	4-Chloroaniline	UJ	low ave LCS/LCSD recovery (56.5%)
IWSE-06-006(0-0.5)	4-Nitroaniline	UJ	low ave MS/MSD recovery (54%)
IWSE-06-006(0-0.5)	Benzaldehyde	UJ	calibration drift (%D= -45); low ave LCS/LCSD recovery (20%); low ave MS/MSD recovery (52%)
IWSE-06-006(0-0.5)	Benzidine	UJ	calibration drift (%D= -86); low ave LCS/LCSD recovery (42%); low ave MS/MSD recovery (30%)
IWSE-06-006(0-0.5)	Benzoic acid	UJ	low ave MS/MSD recovery (38.5%)
IWSE-06-006(0-0.5)	Bis(2-Ethylhexyl)phthalate	U	result between SDL and SQL; laboratory blank contamination (13.8 J ug/Kg); equipment blank contamination (22.8 ug/L)
IWSE-06-006(0-0.5)	Fluoranthene	UJ	low ave MS/MSD recovery (55.5%)
IWSE-06-006(0-0.5)	Hexachlorocyclopentadiene	UJ	low ave MS/MSD recovery (52.5%)
IWSE-06-006(0-0.5)	Hexachloroethane	UJ	low ave LCS/LCSD recovery (59.5%); low ave MS/MSD recovery (58%)
IWSE-06-006(0-0.5)	Phenol	UJ	poor calibration fit (%RSD=20)
IWSE-06-006(0-0.5)	Pyridine	UJ	poor calibration fit (%RSD=16)
IWSE-07-007(0-0.5)	Antimony	J	result between SDL and SQL; extremely low MS/MSD recovery (28%)
IWSE-07-007(0-0.5)	Iron	J	poor field duplicate precision (64 RPD)
IWSE-07-007(0-0.5)	Lead	J	poor field duplicate precision (56 RPD)
IWSE-07-007(0-0.5)	Molybdenum	J	result between SDL and SQL
IWSE-07-007(0-0.5)	Zinc	J	poor MS/MSD precision (34 RPD)
IWSE-07-007(0-0.5)	Mercury	J	result between SDL and SQL
IWSE-07-007(0-0.5)	4,4'-DDT	UJ	low ave MS/MSD recovery (34.5%)
IWSE-07-007(0-0.5)	Endosulfan I	UJ	low ave LCS/LCSD recovery (50.5%); high ave MS/MSD recovery (305%); poor MS/MSD precision (142 RPD)
IWSE-07-007(0-0.5)	Methoxychlor	UJ	low ave MS/MSD recovery (31%)
IWSE-07-007(0-0.5)	2-Chloroethylvinyl ether	UJ	poor calibration fit (%RSD=26); low ave MS/MSD recovery (47%)
IWSE-07-007(0-0.5)	Acetone	U	result between SDL and SQL; trip blank contamination (6.86 J ug/L): equipment blank contamination (4.35 J ug/L)
IWSE-07-007(0-0.5)	Acrolein	UJ	low instrument response (low RRF); elevate SDL for NDs 5x (Sed); calibration drift (%D= -29); low ave MS/MSD recovery (27.5%)
IWSE-07-007(0-0.5)	Acrylonitrile	UJ	calibration drift (%D= -26)
IWSE-07-007(0-0.5)	Bromomethane	UJ	calibration drift (%D= -22)

QUALIFIED DATA TABLE

Field Sample Identification	Analyte	Data Qualifier	Reason for Qualification
IWSE-07-007(0-0.5)	Cyclohexane	J	result between SDL and SQL
IWSE-07-007(0-0.5)	Methyl Acetate	UJ	calibration drift (%D= -30)
IWSE-07-007(0-0.5)	n-Butyl alcohol	UJ	low instrument response (low RRF); elevate SDL for NDs 2x (SW) or 50x (Sed)
IWSE-07-007(0-0.5)	Vinyl chloride	UJ	poor calibration fit (%RSD=19)
IWSE-07-007(0-0.5)	1,2Diphenylhydrazine/Azobenzene	J	result between SDL and SQL
IWSE-07-007(0-0.5)	2,4-Dinitrophenol	UJ	low ave LCS/LCSD recovery (45%)
IWSE-07-007(0-0.5)	3,3'-Dichlorobenzidine	J	result between SDL and SQL
IWSE-07-007(0-0.5)	3-Nitroaniline	UJ	low ave MS/MSD recovery (58%)
IWSE-07-007(0-0.5)	4,6-Dinitro-2-methylphenol	J	result between SDL and SQL
IWSE-07-007(0-0.5)	4-Chloroaniline	UJ	low ave LCS/LCSD recovery (56.5%)
IWSE-07-007(0-0.5)	4-Nitroaniline	UJ	low ave MS/MSD recovery (54%)
IWSE-07-007(0-0.5)	Acenaphthene	J	result between SDL and SQL
IWSE-07-007(0-0.5)	Anthracene	J	result between SDL and SQL
IWSE-07-007(0-0.5)	Atrazine (Aatrex)	J	result between SDL and SQL
IWSE-07-007(0-0.5)	Benzaldehyde	UJ	calibration drift (%D= -45); low ave LCS/LCSD recovery (20%); low ave MS/MSD recovery (52%)
IWSE-07-007(0-0.5)	Benzidine	UJ	calibration drift (%D= -86); low ave LCS/LCSD recovery (42%); low ave MS/MSD recovery (30%)
IWSE-07-007(0-0.5)	Benzo(b)fluoranthene	J	result between SDL and SQL
IWSE-07-007(0-0.5)	Benzo(g,h,i)perylene	J	result between SDL and SQL
IWSE-07-007(0-0.5)	Benzo(k)fluoranthene	J	result between SDL and SQL
IWSE-07-007(0-0.5)	Benzoic acid	UJ	low ave MS/MSD recovery (38.5%)
IWSE-07-007(0-0.5)	Bis(2-Ethylhexyl)phthalate	U	laboratory blank contamination (13.8 J ug/Kg); equipment blank contamination (22.8 ug/L)
IWSE-07-007(0-0.5)	Butyl benzyl phthalate	J	result between SDL and SQL
IWSE-07-007(0-0.5)	Carbazole	J	result between SDL and SQL
IWSE-07-007(0-0.5)	Chrysene	J	result between SDL and SQL
IWSE-07-007(0-0.5)	Dibenzofuran	J	result between SDL and SQL
IWSE-07-007(0-0.5)	Diethyl phthalate	J	result between SDL and SQL
IWSE-07-007(0-0.5)	Di-n-butyl phthalate	U	result between SDL and SQL; equipment blank contamination (2.5 J ug/L)
IWSE-07-007(0-0.5)	Di-n-octyl phthalate	J	result between SDL and SQL
IWSE-07-007(0-0.5)	Fluoranthene	J	result between SDL and SQL; low ave MS/MSD recovery (55.5%)
IWSE-07-007(0-0.5)	Fluorene	J	result between SDL and SQL
IWSE-07-007(0-0.5)	Hexachlorobenzene	J	result between SDL and SQL
IWSE-07-007(0-0.5)	Hexachlorocyclopentadiene	UJ	low ave MS/MSD recovery (52.5%)
IWSE-07-007(0-0.5)	Hexachloroethane	UJ	low ave LCS/LCSD recovery (59.5%); low ave MS/MSD recovery (58%)
IWSE-07-007(0-0.5)	Indeno(1,2,3-cd)pyrene	J	result between SDL and SQL
IWSE-07-007(0-0.5)	n-Nitrosodiphenylamine	J	result between SDL and SQL
IWSE-07-007(0-0.5)	Phenanthrene	J	result between SDL and SQL
IWSE-07-007(0-0.5)	Phenol	UJ	poor calibration fit (%RSD=20)
IWSE-07-007(0-0.5)	Pyrene	J	result between SDL and SQL
IWSE-07-007(0-0.5)	Pyridine	UJ	poor calibration fit (%RSD=16)
IWSE-08-008 (0-0.5)	Antimony	J	result between SDL and SQL; extremely low MS/MSD recovery (28%)
IWSE-08-008 (0-0.5)	Iron	J	poor field duplicate precision (64 RPD)
IWSE-08-008 (0-0.5)	Lead	J	poor field duplicate precision (56 RPD)
IWSE-08-008 (0-0.5)	Molybdenum	J	result between SDL and SQL

QUALIFIED DATA TABLE

Field Sample Identification	Analyte	Data Qualifier	Reason for Qualification
IWSE-08-008 (0-0.5)	Zinc	J	poor MS/MSD precision (34 RPD)
IWSE-08-008 (0-0.5)	4,4'-DDT	J	result is between SDL and SQL; calibration drift (%D= 18); low ave MS/MSD recovery (34.5%)
IWSE-08-008 (0-0.5)	Endosulfan I	UJ	low ave LCS/LCSD recovery (50.5%); high ave MS/MSD recovery (305%); poor MS/MSD precision (142 RPD)
IWSE-08-008 (0-0.5)	Methoxychlor	UJ	low ave MS/MSD recovery (31%)
IWSE-08-008 (0-0.5)	1,2-Dichloroethane	UJ	calibration drift (%D= -21)
IWSE-08-008 (0-0.5)	2-Chloroethylvinyl ether	UJ	poor calibration fit (%RSD=26); low ave MS/MSD recovery (47%)
IWSE-08-008 (0-0.5)	Acrolein	UJ	low instrument response (low RRF); elevate SDL for NDs 5x (Sed); calibration drift (%D= -36); low ave MS/MSD recovery (27.5%)
IWSE-08-008 (0-0.5)	Acrylonitrile	UJ	calibration drift (%D= -23)
IWSE-08-008 (0-0.5)	Bromomethane	UJ	calibration drift (%D= -23)
IWSE-08-008 (0-0.5)	Chloroform	J	result between SDL and SQL
IWSE-08-008 (0-0.5)	Isopropylbenzene (Cumene)	J	result between SDL and SQL
IWSE-08-008 (0-0.5)	Methyl Acetate	UJ	calibration drift (%D= -27)
IWSE-08-008 (0-0.5)	Methylene chloride	U	trip blank contamination (3.63 J ug/L); equipment blank contamination (3.21 J ug/L)
IWSE-08-008 (0-0.5)	n-Butyl alcohol	UJ	low instrument response (low RRF); elevate SDL for NDs 2x (SW) or 50x (Sed)
IWSE-08-008 (0-0.5)	Vinyl chloride	UJ	poor calibration fit (%RSD=19)
IWSE-08-008 (0-0.5)	2,4-Dinitrophenol	UJ	low ave LCS/LCSD recovery (45%)
IWSE-08-008 (0-0.5)	3-Nitroaniline	UJ	low ave MS/MSD recovery (58%)
IWSE-08-008 (0-0.5)	4-Chloroaniline	UJ	low ave LCS/LCSD recovery (56.5%)
IWSE-08-008 (0-0.5)	4-Nitroaniline	UJ	low ave MS/MSD recovery (54%)
IWSE-08-008 (0-0.5)	Benzaldehyde	UJ	calibration drift (%D= -45); low ave LCS/LCSD recovery (20%); low ave MS/MSD recovery (52%)
IWSE-08-008 (0-0.5)	Benzidine	UJ	calibration drift (%D= -86); low ave LCS/LCSD recovery (42%); low ave MS/MSD recovery (30%)
IWSE-08-008 (0-0.5)	Benzo(a)anthracene	J	result between SDL and SQL
IWSE-08-008 (0-0.5)	Benzo(a)pyrene	J	result between SDL and SQL
IWSE-08-008 (0-0.5)	Benzo(b)fluoranthene	J	result between SDL and SQL
IWSE-08-008 (0-0.5)	Benzo(g,h,i)perylene	J	result between SDL and SQL
IWSE-08-008 (0-0.5)	Benzo(k)fluoranthene	J	result between SDL and SQL
IWSE-08-008 (0-0.5)	Benzoic acid	UJ	low ave MS/MSD recovery (38.5%)
IWSE-08-008 (0-0.5)	Bis(2-Ethylhexyl)phthalate	U	result between SDL and SQL; laboratory blank contamination (13.8 J ug/Kg); equipment blank contamination (22.8 ug/L)
IWSE-08-008 (0-0.5)	Chrysene	J	result between SDL and SQL
IWSE-08-008 (0-0.5)	Fluoranthene	J	result between SDL and SQL; low ave MS/MSD recovery (55.5%)
IWSE-08-008 (0-0.5)	Hexachlorocyclopentadiene	UJ	low ave MS/MSD recovery (52.5%)
IWSE-08-008 (0-0.5)	Hexachloroethane	UJ	low ave LCS/LCSD recovery (59.5%); low ave MS/MSD recovery (58%)
IWSE-08-008 (0-0.5)	Indeno(1,2,3-cd)pyrene	J	result between SDL and SQL
IWSE-08-008 (0-0.5)	Phenanthrene	J	result between SDL and SQL
IWSE-08-008 (0-0.5)	Phenol	UJ	poor calibration fit (%RSD=20)
IWSE-08-008 (0-0.5)	Pyrene	J	result between SDL and SQL
IWSE-08-008 (0-0.5)	Pyridine	UJ	poor calibration fit (%RSD=16)
IWSE-09-009 (0-0.5)	Antimony	J	result between SDL and SQL; extremely low MS/MSD recovery (28%)
IWSE-09-009 (0-0.5)	Iron	J	poor field duplicate precision (64 RPD)
IWSE-09-009 (0-0.5)	Lead	J	poor field duplicate precision (56 RPD)

QUALIFIED DATA TABLE

Field Sample Identification	Analyte	Data Qualifier	Reason for Qualification
IWSE-09-009 (0-0.5)	Molybdenum	J	result between SDL and SQL
IWSE-09-009 (0-0.5)	Zinc	J	poor MS/MSD precision (34 RPD)
IWSE-09-009 (0-0.5)	4,4'-DDT	UJ	low ave MS/MSD recovery (34.5%)
IWSE-09-009 (0-0.5)	Endosulfan I	UJ	low ave LCS/LCSD recovery (50.5%); high ave MS/MSD recovery (305%); poor MS/MSD precision (142 RPD)
IWSE-09-009 (0-0.5)	Methoxychlor	UJ	low ave MS/MSD recovery (31%)
IWSE-09-009 (0-0.5)	2-Chloroethylvinyl ether	UJ	poor calibration fit (%RSD=26); low ave MS/MSD recovery (47%)
IWSE-09-009 (0-0.5)	Acrolein	UJ	low instrument response (low RRF); elevate SDL for NDs 5x (Sed); calibration drift (%D= -29); low ave MS/MSD recovery (27.5%)
IWSE-09-009 (0-0.5)	Acrylonitrile	UJ	calibration drift (%D= -26)
IWSE-09-009 (0-0.5)	Bromomethane	UJ	calibration drift (%D= -22)
IWSE-09-009 (0-0.5)	Methyl Acetate	UJ	calibration drift (%D= -30)
IWSE-09-009 (0-0.5)	n-Butyl alcohol	UJ	low instrument response (low RRF); elevate SDL for NDs 2x (SW) or 50x (Sed)
IWSE-09-009 (0-0.5)	Vinyl chloride	UJ	poor calibration fit (%RSD=19)
IWSE-09-009 (0-0.5)	2,4-Dinitrophenol	UJ	low ave LCS/LCSD recovery (45%)
IWSE-09-009 (0-0.5)	3-Nitroaniline	UJ	low ave MS/MSD recovery (58%)
IWSE-09-009 (0-0.5)	4-Chloroaniline	UJ	low ave LCS/LCSD recovery (56.5%)
IWSE-09-009 (0-0.5)	4-Nitroaniline	UJ	low ave MS/MSD recovery (54%)
IWSE-09-009 (0-0.5)	Benzaldehyde	UJ	calibration drift (%D= -45); low ave LCS/LCSD recovery (20%); low ave MS/MSD recovery (52%)
IWSE-09-009 (0-0.5)	Benzidine	UJ	calibration drift (%D= -86); low ave LCS/LCSD recovery (42%); low ave MS/MSD recovery (30%)
IWSE-09-009 (0-0.5)	Benzoic acid	UJ	low ave MS/MSD recovery (38.5%)
IWSE-09-009 (0-0.5)	Bis(2-Ethylhexyl)phthalate	U	result between SDL and SQL; laboratory blank contamination (13.8 J ug/Kg); equipment blank contamination (22.8 ug/L)
IWSE-09-009 (0-0.5)	Chrysene	J	result between SDL and SQL
IWSE-09-009 (0-0.5)	Fluoranthene	UJ	low ave MS/MSD recovery (55.5%)
IWSE-09-009 (0-0.5)	Hexachlorocyclopentadiene	UJ	low ave MS/MSD recovery (52.5%)
IWSE-09-009 (0-0.5)	Hexachloroethane	UJ	low ave LCS/LCSD recovery (59.5%); low ave MS/MSD recovery (58%)
IWSE-09-009 (0-0.5)	Phenol	UJ	poor calibration fit (%RSD=20)
IWSE-09-009 (0-0.5)	Pyrene	J	result between SDL and SQL
IWSE-09-009 (0-0.5)	Pyridine	UJ	poor calibration fit (%RSD=16)
IWSE-10-010 (0-0.5)	Antimony	J	result between SDL and SQL; extremely low MS/MSD recovery (28%)
IWSE-10-010 (0-0.5)	Iron	J	poor field duplicate precision (64 RPD)
IWSE-10-010 (0-0.5)	Lead	J	poor field duplicate precision (56 RPD)
IWSE-10-010 (0-0.5)	Molybdenum	J	result between SDL and SQL
IWSE-10-010 (0-0.5)	Zinc	J	poor MS/MSD precision (34 RPD)
IWSE-10-010 (0-0.5)	Mercury	J	result between SDL and SQL
IWSE-10-010 (0-0.5)	4,4'-DDT	UJ	low ave MS/MSD recovery (34.5%)
IWSE-10-010 (0-0.5)	Endosulfan I	UJ	low ave LCS/LCSD recovery (50.5%); high ave MS/MSD recovery (305%); poor MS/MSD precision (142 RPD)
IWSE-10-010 (0-0.5)	Methoxychlor	UJ	low ave MS/MSD recovery (31%)
IWSE-10-010 (0-0.5)	2-Chloroethylvinyl ether	UJ	poor calibration fit (%RSD=26); low ave MS/MSD recovery (47%)
IWSE-10-010 (0-0.5)	Acetone	U	result between SDL and SQL; trip blank contamination (6.86 J ug/L): equipment blank contamination (4.35 J ug/L)
IWSE-10-010 (0-0.5)	Acrolein	UJ	low instrument response (low RRF); elevate SDL for NDs 5x (Sed); calibration drift (%D= -29); low ave MS/MSD recovery (27.5%)

QUALIFIED DATA TABLE

Field Sample Identification	Analyte	Data Qualifier	Reason for Qualification
IWSE-10-010 (0-0.5)	Acrylonitrile	UJ	calibration drift (%D= -26)
IWSE-10-010 (0-0.5)	Bromomethane	UJ	calibration drift (%D= -22)
IWSE-10-010 (0-0.5)	Methyl Acetate	UJ	calibration drift (%D= -30)
IWSE-10-010 (0-0.5)	n-Butyl alcohol	UJ	low instrument response (low RRF); elevate SDL for NDs 2x (SW) or 50x (Sed)
IWSE-10-010 (0-0.5)	Vinyl chloride	UJ	poor calibration fit (%RSD=19)
IWSE-10-010 (0-0.5)	2,4-Dinitrophenol	UJ	low ave LCS/LCSD recovery (45%)
IWSE-10-010 (0-0.5)	3-Nitroaniline	UJ	low ave MS/MSD recovery (58%)
IWSE-10-010 (0-0.5)	4-Chloroaniline	UJ	low ave LCS/LCSD recovery (56.5%)
IWSE-10-010 (0-0.5)	4-Nitroaniline	UJ	low ave MS/MSD recovery (54%)
IWSE-10-010 (0-0.5)	Benzaldehyde	UJ	calibration drift (%D= -45); low ave LCS/LCSD recovery (20%); low ave MS/MSD recovery (52%)
IWSE-10-010 (0-0.5)	Benzidine	UJ	calibration drift (%D= -86); low ave LCS/LCSD recovery (42%); low ave MS/MSD recovery (30%)
IWSE-10-010 (0-0.5)	Benzoic acid	UJ	low ave MS/MSD recovery (38.5%)
IWSE-10-010 (0-0.5)	Bis(2-Ethylhexyl)phthalate	U	result between SDL and SQL; laboratory blank contamination (13.8 J ug/Kg); equipment blank contamination (22.8 ug/L)
IWSE-10-010 (0-0.5)	Fluoranthene	UJ	low ave MS/MSD recovery (55.5%)
IWSE-10-010 (0-0.5)	Hexachlorocyclopentadiene	UJ	low ave MS/MSD recovery (52.5%)
IWSE-10-010 (0-0.5)	Hexachloroethane	UJ	low ave LCS/LCSD recovery (59.5%); low ave MS/MSD recovery (58%)
IWSE-10-010 (0-0.5)	Phenol	UJ	poor calibration fit (%RSD=20)
IWSE-10-010 (0-0.5)	Pyridine	UJ	poor calibration fit (%RSD=16)
IWSE-11-011 (0-0.5)	Antimony	J	result between SDL and SQL; extremely low MS/MSD recovery (28%)
IWSE-11-011 (0-0.5)	Iron	J	poor field duplicate precision (64 RPD)
IWSE-11-011 (0-0.5)	Lead	J	poor field duplicate precision (56 RPD)
IWSE-11-011 (0-0.5)	Zinc	J	poor MS/MSD precision (34 RPD)
IWSE-11-011 (0-0.5)	4,4'-DDT	UJ	low ave MS/MSD recovery (34.5%)
IWSE-11-011 (0-0.5)	Endosulfan I	UJ	low ave LCS/LCSD recovery (50.5%); high ave MS/MSD recovery (305%); poor MS/MSD precision (142 RPD)
IWSE-11-011 (0-0.5)	gamma-Chlordane	J	result is between SDL and SQL; high ave MS/MSD recovery (400.5%); poor MS/MSD precision (130 RPD); high RPD (195%) between columns; lower value reported due to interference
IWSE-11-011 (0-0.5)	Methoxychlor	UJ	low ave MS/MSD recovery (31%)
IWSE-11-011 (0-0.5)	2-Chloroethylvinyl ether	UJ	poor calibration fit (%RSD=26); low ave MS/MSD recovery (47%)
IWSE-11-011 (0-0.5)	Acrolein	UJ	low instrument response (low RRF); elevate SDL for NDs 5x (Sed); low ave MS/MSD recovery (27.5%)
IWSE-11-011 (0-0.5)	n-Butyl alcohol	UJ	low instrument response (low RRF); elevate SDL for NDs 2x (SW) or 50x (Sed)
IWSE-11-011 (0-0.5)	Vinyl chloride	UJ	poor calibration fit (%RSD=18)
IWSE-11-011 (0-0.5)	2,4-Dinitrophenol	UJ	low ave LCS/LCSD recovery (45%)
IWSE-11-011 (0-0.5)	3-Nitroaniline	UJ	low ave MS/MSD recovery (58%)
IWSE-11-011 (0-0.5)	4-Chloroaniline	UJ	low ave LCS/LCSD recovery (56.5%)
IWSE-11-011 (0-0.5)	4-Nitroaniline	UJ	low ave MS/MSD recovery (54%)
IWSE-11-011 (0-0.5)	Benzaldehyde	UJ	calibration drift (%D= -45); low ave LCS/LCSD recovery (20%); low ave MS/MSD recovery (52%)
IWSE-11-011 (0-0.5)	Benzidine	UJ	calibration drift (%D= -86); low ave LCS/LCSD recovery (42%); low ave MS/MSD recovery (30%)
IWSE-11-011 (0-0.5)	Benzo(g,h,i)perylene	J	result between SDL and SQL
IWSE-11-011 (0-0.5)	Benzoic acid	UJ	low ave MS/MSD recovery (38.5%)
IWSE-11-011 (0-0.5)	Bis(2-Ethylhexyl)phthalate	U	result between SDL and SQL; laboratory blank contamination (13.8 J ug/Kg); equipment blank contamination (22.8 ug/L)

QUALIFIED DATA TABLE

Field Sample Identification	Analyte	Data Qualifier	Reason for Qualification
IWSE-11-011 (0-0.5)	Chrysene	J	result between SDL and SQL
IWSE-11-011 (0-0.5)	Dibenz(a,h)anthracene	J	result between SDL and SQL
IWSE-11-011 (0-0.5)	Fluoranthene	UJ	low ave MS/MSD recovery (55.5%)
IWSE-11-011 (0-0.5)	Hexachlorocyclopentadiene	UJ	low ave MS/MSD recovery (52.5%)
IWSE-11-011 (0-0.5)	Hexachloroethane	UJ	low ave LCS/LCSD recovery (59.5%); low ave MS/MSD recovery (58%)
IWSE-11-011 (0-0.5)	Phenol	UJ	poor calibration fit (%RSD=20)
IWSE-11-011 (0-0.5)	Pyrene	J	result between SDL and SQL
IWSE-11-011 (0-0.5)	Pyridine	UJ	poor calibration fit (%RSD=16)
IWSE-12-012 (0-0.5)	Antimony	J-	extremely low MS/MSD recovery (28%)
IWSE-12-012 (0-0.5)	Iron	J	poor field duplicate precision (64 RPD)
IWSE-12-012 (0-0.5)	Lead	J	poor field duplicate precision (56 RPD)
IWSE-12-012 (0-0.5)	Molybdenum	J	result between SDL and SQL
IWSE-12-012 (0-0.5)	Zinc	J	poor MS/MSD precision (34 RPD)
IWSE-12-012 (0-0.5)	4,4'-DDT	UJ	low ave MS/MSD recovery (34.5%)
IWSE-12-012 (0-0.5)	Endosulfan I	UJ	low ave LCS/LCSD recovery (50.5%); high ave MS/MSD recovery (305%); poor MS/MSD precision (142 RPD)
IWSE-12-012 (0-0.5)	Methoxychlor	UJ	low ave MS/MSD recovery (31%)
IWSE-12-012 (0-0.5)	1,2-Dichloroethane	J	result between SDL and SQL; calibration drift (%D= -21)
IWSE-12-012 (0-0.5)	2-Chloroethylvinyl ether	UJ	poor calibration fit (%RSD=26); low ave MS/MSD recovery (47%)
IWSE-12-012 (0-0.5)	Acrolein	UJ	low instrument response (low RRF); elevate SDL for NDs 5x (Sed); calibration drift (%D= -36); low ave MS/MSD recovery (27.5%)
IWSE-12-012 (0-0.5)	Acrylonitrile	UJ	calibration drift (%D= -23)
IWSE-12-012 (0-0.5)	Bromomethane	UJ	calibration drift (%D= -23)
IWSE-12-012 (0-0.5)	Chloroform	J	result between SDL and SQL
IWSE-12-012 (0-0.5)	Isopropylbenzene (Cumene)	J	result between SDL and SQL
IWSE-12-012 (0-0.5)	Methyl Acetate	UJ	calibration drift (%D= -27)
IWSE-12-012 (0-0.5)	Methylcyclohexane	J	result between SDL and SQL; calibration drift (%D= 25)
IWSE-12-012 (0-0.5)	Methylene chloride	U	trip blank contamination (3.63 J ug/L); equipment blank contamination (3.21 J ug/L)
IWSE-12-012 (0-0.5)	n-Butyl alcohol	UJ	low instrument response (low RRF); elevate SDL for NDs 2x (SW) or 50x (Sed)
IWSE-12-012 (0-0.5)	Toluene	J	result between SDL and SQL
IWSE-12-012 (0-0.5)	Vinyl chloride	UJ	poor calibration fit (%RSD=19)
IWSE-12-012 (0-0.5)	2,4-Dinitrophenol	UJ	low ave LCS/LCSD recovery (45%)
IWSE-12-012 (0-0.5)	3-Nitroaniline	UJ	low ave MS/MSD recovery (58%)
IWSE-12-012 (0-0.5)	4-Chloroaniline	UJ	low ave LCS/LCSD recovery (56.5%)
IWSE-12-012 (0-0.5)	4-Nitroaniline	UJ	low ave MS/MSD recovery (54%)
IWSE-12-012 (0-0.5)	Anthracene	J	result between SDL and SQL
IWSE-12-012 (0-0.5)	Benzaldehyde	UJ	calibration drift (%D= -45); low ave LCS/LCSD recovery (20%); low ave MS/MSD recovery (52%)
IWSE-12-012 (0-0.5)	Benzidine	UJ	calibration drift (%D= -86); low ave LCS/LCSD recovery (42%); low ave MS/MSD recovery (30%)
IWSE-12-012 (0-0.5)	Benzo(b)fluoranthene	J	result between SDL and SQL
IWSE-12-012 (0-0.5)	Benzoic acid	UJ	low ave MS/MSD recovery (38.5%)
IWSE-12-012 (0-0.5)	Bis(2-Ethylhexyl)phthalate	U	result between SDL and SQL; laboratory blank contamination (13.8 J ug/Kg); equipment blank contamination (22.8 ug/L)
IWSE-12-012 (0-0.5)	Chrysene	J	result between SDL and SQL
IWSE-12-012 (0-0.5)	Fluoranthene	J	result between SDL and SQL; low ave MS/MSD recovery (55.5%)

QUALIFIED DATA TABLE

Field Sample Identification	Analyte	Data Qualifier	Reason for Qualification
IWSE-12-012 (0-0.5)	Hexachlorocyclopentadiene	UJ	low ave MS/MSD recovery (52.5%)
IWSE-12-012 (0-0.5)	Hexachloroethane	UJ	low ave LCS/LCSD recovery (59.5%); low ave MS/MSD recovery (58%)
IWSE-12-012 (0-0.5)	Phenanthrene	J	result between SDL and SQL
IWSE-12-012 (0-0.5)	Phenol	UJ	poor calibration fit (%RSD=20)
IWSE-12-012 (0-0.5)	Pyrene	J	result between SDL and SQL
IWSE-12-012 (0-0.5)	Pyridine	UJ	poor calibration fit (%RSD=16)
IWSE-13-013 (0-0.5)	Antimony	J	result between SDL and SQL; extremely low MS/MSD recovery (28%)
IWSE-13-013 (0-0.5)	Iron	J	poor field duplicate precision (64 RPD)
IWSE-13-013 (0-0.5)	Lead	J	poor field duplicate precision (56 RPD)
IWSE-13-013 (0-0.5)	Molybdenum	J	result between SDL and SQL
IWSE-13-013 (0-0.5)	Zinc	J	poor MS/MSD precision (34 RPD)
IWSE-13-013 (0-0.5)	Mercury	J	result between SDL and SQL
IWSE-13-013 (0-0.5)	4,4'-DDT	UJ	low ave MS/MSD recovery (34.5%)
IWSE-13-013 (0-0.5)	Endosulfan I	UJ	low ave LCS/LCSD recovery (50.5%); high ave MS/MSD recovery (305%); poor MS/MSD precision (142 RPD)
IWSE-13-013 (0-0.5)	gamma-Chlordane	J	result is between SDL and SQL; high ave MS/MSD recovery (400.5%); poor MS/MSD precision (130 RPD); high RPD (195%) between columns; lower value reported due to interference
IWSE-13-013 (0-0.5)	Methoxychlor	UJ	low ave MS/MSD recovery (31%)
IWSE-13-013 (0-0.5)	2-Chloroethylvinyl ether	UJ	poor calibration fit (%RSD=26); low ave MS/MSD recovery (47%)
IWSE-13-013 (0-0.5)	Acrolein	UJ	low instrument response (low RRF); elevate SDL for NDs 5x (Sed); low ave MS/MSD recovery (27.5%)
IWSE-13-013 (0-0.5)	n-Butyl alcohol	UJ	low instrument response (low RRF); elevate SDL for NDs 2x (SW) or 50x (Sed)
IWSE-13-013 (0-0.5)	Vinyl chloride	UJ	poor calibration fit (%RSD=18)
IWSE-13-013 (0-0.5)	2,4-Dinitrophenol	UJ	low ave LCS/LCSD recovery (45%)
IWSE-13-013 (0-0.5)	3-Nitroaniline	UJ	low ave MS/MSD recovery (58%)
IWSE-13-013 (0-0.5)	4-Chloroaniline	UJ	low ave LCS/LCSD recovery (56.5%)
IWSE-13-013 (0-0.5)	4-Nitroaniline	UJ	low ave MS/MSD recovery (54%)
IWSE-13-013 (0-0.5)	Benzaldehyde	UJ	calibration drift (%D= -45); low ave LCS/LCSD recovery (20%); low ave MS/MSD recovery (52%)
IWSE-13-013 (0-0.5)	Benzidine	UJ	calibration drift (%D= -86); low ave LCS/LCSD recovery (42%); low ave MS/MSD recovery (30%)
IWSE-13-013 (0-0.5)	Benzoic acid	UJ	low ave MS/MSD recovery (38.5%)
IWSE-13-013 (0-0.5)	Bis(2-Ethylhexyl)phthalate	U	result between SDL and SQL; laboratory blank contamination (13.8 J ug/Kg); equipment blank contamination (22.8 ug/L)
IWSE-13-013 (0-0.5)	Fluoranthene	UJ	low ave MS/MSD recovery (55.5%)
IWSE-13-013 (0-0.5)	Hexachlorocyclopentadiene	UJ	low ave MS/MSD recovery (52.5%)
IWSE-13-013 (0-0.5)	Hexachloroethane	UJ	low ave LCS/LCSD recovery (59.5%); low ave MS/MSD recovery (58%)
IWSE-13-013 (0-0.5)	Phenol	UJ	poor calibration fit (%RSD=20)
IWSE-13-013 (0-0.5)	Pyridine	UJ	poor calibration fit (%RSD=16)
IWSE-14-014 (0-0.5)	Antimony	J	result between SDL and SQL; extremely low MS/MSD recovery (28%)
IWSE-14-014 (0-0.5)	Iron	J	poor field duplicate precision (64 RPD)
IWSE-14-014 (0-0.5)	Lead	J	poor field duplicate precision (56 RPD)
IWSE-14-014 (0-0.5)	Molybdenum	J	result between SDL and SQL
IWSE-14-014 (0-0.5)	Zinc	J	poor MS/MSD precision (34 RPD)
IWSE-14-014 (0-0.5)	Mercury	J	result between SDL and SQL
IWSE-14-014 (0-0.5)	4,4'-DDT	UJ	low ave MS/MSD recovery (34.5%)

QUALIFIED DATA TABLE

Field Sample Identification	Analyte	Data Qualifier	Reason for Qualification
IWSE-14-014 (0-0.5)	Endosulfan I	UJ	low ave LCS/LCSD recovery (50.5%); high ave MS/MSD recovery (305%); poor MS/MSD precision (142 RPD)
IWSE-14-014 (0-0.5)	gamma-Chlordane	J	result is between SDL and SQL; high ave MS/MSD recovery (400.5%); poor MS/MSD precision (130 RPD); high RPD (192%) between columns; lower value reported due to interference
IWSE-14-014 (0-0.5)	Methoxychlor	UJ	low ave MS/MSD recovery (31%)
IWSE-14-014 (0-0.5)	2-Chloroethylvinyl ether	UJ	poor calibration fit (%RSD=26); low ave MS/MSD recovery (47%)
IWSE-14-014 (0-0.5)	Acrolein	UJ	low instrument response (low RRF); elevate SDL for NDs 5x (Sed); low ave MS/MSD recovery (27.5%)
IWSE-14-014 (0-0.5)	n-Butyl alcohol	UJ	low instrument response (low RRF); elevate SDL for NDs 2x (SW) or 50x (Sed)
IWSE-14-014 (0-0.5)	Vinyl chloride	UJ	poor calibration fit (%RSD=18)
IWSE-14-014 (0-0.5)	2,4-Dinitrophenol	UJ	low ave LCS/LCSD recovery (45%)
IWSE-14-014 (0-0.5)	3-Nitroaniline	UJ	low ave MS/MSD recovery (58%)
IWSE-14-014 (0-0.5)	4-Chloroaniline	UJ	low ave LCS/LCSD recovery (56.5%)
IWSE-14-014 (0-0.5)	4-Nitroaniline	UJ	low ave MS/MSD recovery (54%)
IWSE-14-014 (0-0.5)	Benzaldehyde	UJ	calibration drift (%D= -45); low ave LCS/LCSD recovery (20%); low ave MS/MSD recovery (52%)
IWSE-14-014 (0-0.5)	Benzidine	UJ	calibration drift (%D= -86); low ave LCS/LCSD recovery (42%); low ave MS/MSD recovery (30%)
IWSE-14-014 (0-0.5)	Benzoic acid	UJ	low ave MS/MSD recovery (38.5%)
IWSE-14-014 (0-0.5)	Bis(2-Ethylhexyl)phthalate	U	result between SDL and SQL; laboratory blank contamination (13.8 J ug/Kg); equipment blank contamination (22.8 ug/L)
IWSE-14-014 (0-0.5)	Fluoranthene	UJ	low ave MS/MSD recovery (55.5%)
IWSE-14-014 (0-0.5)	Hexachlorocyclopentadiene	UJ	low ave MS/MSD recovery (52.5%)
IWSE-14-014 (0-0.5)	Hexachloroethane	UJ	low ave LCS/LCSD recovery (59.5%); low ave MS/MSD recovery (58%)
IWSE-14-014 (0-0.5)	Phenol	UJ	poor calibration fit (%RSD=20)
IWSE-14-014 (0-0.5)	Pyridine	UJ	poor calibration fit (%RSD=16)
IWSE-15-015 (0-0.5)	Antimony	J	result between SDL and SQL; extremely low MS/MSD recovery (28%)
IWSE-15-015 (0-0.5)	Iron	J	poor field duplicate precision (64 RPD)
IWSE-15-015 (0-0.5)	Lead	J	poor field duplicate precision (56 RPD)
IWSE-15-015 (0-0.5)	Molybdenum	J	result between SDL and SQL
IWSE-15-015 (0-0.5)	Zinc	J	poor MS/MSD precision (34 RPD)
IWSE-15-015 (0-0.5)	Mercury	J	result between SDL and SQL
IWSE-15-015 (0-0.5)	4,4'-DDT	UJ	low ave MS/MSD recovery (34.5%)
IWSE-15-015 (0-0.5)	Endosulfan I	UJ	low ave LCS/LCSD recovery (50.5%); high ave MS/MSD recovery (305%); poor MS/MSD precision (142 RPD)
IWSE-15-015 (0-0.5)	gamma-Chlordane	J	result is between SDL and SQL; high ave MS/MSD recovery (400.5%); poor MS/MSD precision (130 RPD); high RPD (195%) between columns; lower value reported due to interference
IWSE-15-015 (0-0.5)	Methoxychlor	UJ	low ave MS/MSD recovery (31%)
IWSE-15-015 (0-0.5)	2-Chloroethylvinyl ether	UJ	poor calibration fit (%RSD=26); low ave MS/MSD recovery (47%)
IWSE-15-015 (0-0.5)	Acetone	U	result between SDL and SQL; trip blank contamination (6.86 J ug/L); equipment blank contamination (4.35 J ug/L)
IWSE-15-015 (0-0.5)	Acrolein	UJ	low instrument response (low RRF); elevate SDL for NDs 5x (Sed); low ave MS/MSD recovery (27.5%)
IWSE-15-015 (0-0.5)	n-Butyl alcohol	UJ	low instrument response (low RRF); elevate SDL for NDs 2x (SW) or 50x (Sed)
IWSE-15-015 (0-0.5)	Vinyl chloride	UJ	poor calibration fit (%RSD=18)
IWSE-15-015 (0-0.5)	2,4-Dinitrophenol	UJ	low ave LCS/LCSD recovery (45%)
IWSE-15-015 (0-0.5)	3-Nitroaniline	UJ	low ave MS/MSD recovery (58%)

QUALIFIED DATA TABLE

Field Sample Identification	Analyte	Data Qualifier	Reason for Qualification
IWSE-15-015 (0-0.5)	4-Chloroaniline	UJ	low ave LCS/LCSD recovery (56.5%)
IWSE-15-015 (0-0.5)	4-Nitroaniline	UJ	low ave MS/MSD recovery (54%)
IWSE-15-015 (0-0.5)	Benzaldehyde	UJ	calibration drift (%D= -45); low ave LCS/LCSD recovery (20%); low ave MS/MSD recovery (52%)
IWSE-15-015 (0-0.5)	Benzidine	UJ	calibration drift (%D= -86); low ave LCS/LCSD recovery (42%); low ave MS/MSD recovery (30%)
IWSE-15-015 (0-0.5)	Benzoic acid	UJ	low ave MS/MSD recovery (38.5%)
IWSE-15-015 (0-0.5)	Bis(2-Ethylhexyl)phthalate	U	result between SDL and SQL; laboratory blank contamination (13.8 J ug/Kg); equipment blank contamination (22.8 ug/L)
IWSE-15-015 (0-0.5)	Fluoranthene	UJ	low ave MS/MSD recovery (55.5%)
IWSE-15-015 (0-0.5)	Hexachlorocyclopentadiene	UJ	low ave MS/MSD recovery (52.5%)
IWSE-15-015 (0-0.5)	Hexachloroethane	UJ	low ave LCS/LCSD recovery (59.5%); low ave MS/MSD recovery (58%)
IWSE-15-015 (0-0.5)	Phenol	UJ	poor calibration fit (%RSD=20)
IWSE-15-015 (0-0.5)	Pyridine	UJ	poor calibration fit (%RSD=16)
IWSE-16-016 (0-0.5)	Antimony	J	result between SDL and SQL; extremely low MS/MSD recovery (28%)
IWSE-16-016 (0-0.5)	Beryllium	J	result between SDL and SQL
IWSE-16-016 (0-0.5)	Iron	J	poor field duplicate precision (64 RPD)
IWSE-16-016 (0-0.5)	Lead	J	poor field duplicate precision (56 RPD)
IWSE-16-016 (0-0.5)	Molybdenum	J	result between SDL and SQL
IWSE-16-016 (0-0.5)	Zinc	J	poor MS/MSD precision (34 RPD)
IWSE-16-016 (0-0.5)	Mercury	J	result between SDL and SQL
IWSE-16-016 (0-0.5)	4,4'-DDT	UJ	low ave MS/MSD recovery (34.5%)
IWSE-16-016 (0-0.5)	Endosulfan I	UJ	low ave LCS/LCSD recovery (50.5%); high ave MS/MSD recovery (305%); poor MS/MSD precision (142 RPD)
IWSE-16-016 (0-0.5)	Methoxychlor	UJ	low ave MS/MSD recovery (31%)
IWSE-16-016 (0-0.5)	2-Chloroethylvinyl ether	UJ	poor calibration fit (%RSD=26); low ave MS/MSD recovery (47%)
IWSE-16-016 (0-0.5)	Acrolein	UJ	low instrument response (low RRF); elevate SDL for NDs 5x (Sed); low ave MS/MSD recovery (27.5%)
IWSE-16-016 (0-0.5)	n-Butyl alcohol	UJ	low instrument response (low RRF); elevate SDL for NDs 2x (SW) or 50x (Sed)
IWSE-16-016 (0-0.5)	Vinyl chloride	UJ	poor calibration fit (%RSD=18)
IWSE-16-016 (0-0.5)	2,4-Dinitrophenol	UJ	low ave LCS/LCSD recovery (45%)
IWSE-16-016 (0-0.5)	3-Nitroaniline	UJ	low ave MS/MSD recovery (58%)
IWSE-16-016 (0-0.5)	4-Chloroaniline	UJ	low ave LCS/LCSD recovery (56.5%)
IWSE-16-016 (0-0.5)	4-Nitroaniline	UJ	low ave MS/MSD recovery (54%)
IWSE-16-016 (0-0.5)	Benzaldehyde	UJ	calibration drift (%D= -45); low ave LCS/LCSD recovery (20%); low ave MS/MSD recovery (52%)
IWSE-16-016 (0-0.5)	Benzidine	UJ	calibration drift (%D= -86); low ave LCS/LCSD recovery (42%); low ave MS/MSD recovery (30%)
IWSE-16-016 (0-0.5)	Benzo(b)fluoranthene	J	result between SDL and SQL
IWSE-16-016 (0-0.5)	Benzoic acid	UJ	low ave MS/MSD recovery (38.5%)
IWSE-16-016 (0-0.5)	Bis(2-Ethylhexyl)phthalate	U	result between SDL and SQL; laboratory blank contamination (13.8 J ug/Kg); equipment blank contamination (22.8 ug/L)
IWSE-16-016 (0-0.5)	Fluoranthene	UJ	low ave MS/MSD recovery (55.5%)
IWSE-16-016 (0-0.5)	Hexachlorocyclopentadiene	UJ	low ave MS/MSD recovery (52.5%)
IWSE-16-016 (0-0.5)	Hexachloroethane	UJ	low ave LCS/LCSD recovery (59.5%); low ave MS/MSD recovery (58%)
IWSE-16-016 (0-0.5)	Phenol	UJ	poor calibration fit (%RSD=20)
IWSE-16-016 (0-0.5)	Pyridine	UJ	poor calibration fit (%RSD=16)

ATTACHMENT 1

Sample_ID	Lab_Sample_ID	Test_type_code	Analytical_Method	Matrix	Parameter	Valid_qualifier	Result_type_code	Prep_date	Prep_time	Analysis_Date	Analysis_Time	QC_comment	QC_Batch
MB for HBN 326879 [DIGINM/12085]	385770	LB	SW6010B	S	Aluminum	U to RRs <= 5 x BlankEquivConc (none)	TRG	7/3/2006	9:55	7/7/2006	23:21	laboratory blank contamination (B 3.91 mg/kg)	327372
IWSE-03-003(0-0.5) MSD	20606293806	MSD	SW6010B	S	Aluminum	none (waived due to high parent conc)	TRG	7/3/2006	9:55	7/7/2006	23:59	high ave MS/MSD recovery (885%)	327372
IW-036-EB	20606293811	EQBK	SW6010B	W	Aluminum	U to RRs <= 5 x BlankEquivConc (none)	TRG	7/1/2006	14:40	7/4/2006	0:46	equipment blank contamination (B 0.054 mg/L)	327155
IWSE-03-003(0-0.5) MSD	20606293806	MSD	SW6010B	S	Antimony	J- / R to RRs/ NDs	TRG	7/3/2006	9:55	7/7/2006	23:59	extremely low MS/MSD recovery (28%)	327372
MB for HBN 326879 [DIGINM/12085]	385770	LB	SW6010B	S	Barium	U to RRs <= 5 x BlankEquivConc (none)	TRG	7/3/2006	9:55	7/7/2006	23:21	laboratory blank contamination (B 0.05 mg/kg)	327372
IW-036-EB	20606293811	EQBK	SW6010B	W	Barium	U to RRs <= 5 x BlankEquivConc (none)	TRG	7/1/2006	14:40	7/4/2006	0:46	equipment blank contamination (B 0.00055 mg/L)	327155
MB for HBN 326879 [DIGINM/12085]	385770	LB	SW6010B	S	Cadmium	U to RRs <= 5 x BlankEquivConc (none)	TRG	7/3/2006	9:55	7/7/2006	23:21	laboratory blank contamination (B 0.069 mg/kg)	327372
MB for HBN 326879 [DIGINM/12085]	385770	LB	SW6010B	S	Cobalt	U to RRs <= 5 x BlankEquivConc (none)	TRG	7/3/2006	9:55	7/7/2006	23:21	laboratory blank contamination (B 0.03 mg/kg)	327372
MB for HBN 326879 [DIGINM/12085]	385770	LB	SW6010B	S	Copper	U to RRs <= 5 x BlankEquivConc (none)	TRG	7/3/2006	9:55	7/7/2006	23:21	laboratory blank contamination (B 0.2 mg/kg)	327372
IW-036-EB	20606293811	EQBK	SW6010B	W	Copper	U to RRs <= 5 x BlankEquivConc (none)	TRG	7/1/2006	14:40	7/4/2006	0:46	equipment blank contamination (B 0.0056 mg/L)	327155
IW-036-EB	20606293811	EQBK	SW6010B	W	Hardness	U to RRs <= 5 x BlankEquivConc (none)	TRG	7/1/2006	14:40	7/4/2006	0:46	equipment blank contamination (15.4 mg/L)	327155
MB for HBN 326879 [DIGINM/12085]	385770	LB	SW6010B	S	Iron	U to RRs <= 5 x BlankEquivConc (none)	TRG	7/3/2006	9:55	7/7/2006	23:21	laboratory blank contamination (4.64 mg/kg)	327372
IWSE-03-003-(0-0.5)	20606293803	SMP	SW6010B	S	Iron	J to RRs	TRG	7/3/2006	9:55	7/7/2006	23:35	poor field duplicate precision (64 RPD)	327372
IWSE-03-003(0-0.5) MSD	20606293806	MSD	SW6010B	S	Iron	none (waived due to high parent conc)	TRG	7/3/2006	9:55	7/7/2006	23:59	extremely low MS/MSD recovery (-2000%)	327372
IW-036-EB	20606293811	EQBK	SW6010B	W	Iron	U to RRs <= 5 x BlankEquivConc (none)	TRG	7/1/2006	14:40	7/4/2006	0:46	equipment blank contamination (B 0.029 mg/L)	327155
x CCB6-070706-2228to0056	CCB	SW6010B		Iron		U to RRs <= 5 x BlankEquivConc (none)	ICP			7/7/06	22:28-00:56	calibration blank contamination (0.13 mg/L)	
IWSE-03-003-(0-0.5)	20606293803	SMP	SW6010B	S	Lead	J to RRs	TRG	7/3/2006	9:55	7/7/2006	23:35	poor field duplicate precision (56 RPD)	327372
MB for HBN 326879 [DIGINM/12085]	385770	LB	SW6010B	S	Manganese	U to RRs <= 5 x BlankEquivConc (none)	TRG	7/3/2006	9:55	7/7/2006	23:21	laboratory blank contamination (B 0.41 mg/kg)	327372
IWSE-03-003(0-0.5) MSD	20606293806	MSD	SW6010B	S	Manganese	none (waived due to high parent conc)	TRG	7/3/2006	9:55	7/7/2006	23:59	extremely low MS/MSD recovery (-40%)	327372
MB for HBN 326879 [DIGINM/12085]	385770	LB	SW6010B	S	Strontium	U to RRs <= 5 x BlankEquivConc (none)	TRG	7/3/2006	9:55	7/7/2006	23:21	laboratory blank contamination (B 0.031 mg/kg)	327372
IW-036-EB	20606293811	EQBK	SW6010B	W	Strontium	U to RRs <= 5 x BlankEquivConc (none)	TRG	7/1/2006	14:40	7/4/2006	0:46	equipment blank contamination (B 0.018 mg/L)	327155
IW-036-EB	20606293811	EQBK	SW6010B	W	Thallium	U to RRs <= 5 x BlankEquivConc	TRG	7/1/2006	14:40	7/4/2006	0:46	equipment blank contamination (B 0.0055 mg/L)	327155
MB for HBN 326879 [DIGINM/12085]	385770	LB	SW6010B	S	Titanium	U to RRs <= 5 x BlankEquivConc (none)	TRG	7/3/2006	9:55	7/7/2006	23:21	laboratory blank contamination (B 0.021 mg/kg)	327372
IW-036-EB	20606293811	EQBK	SW6010B	W	Titanium	U to RRs <= 5 x BlankEquivConc (none)	TRG	7/1/2006	14:40	7/4/2006	0:46	equipment blank contamination (B 0.00061 mg/L)	327155
MB for HBN 326879 [DIGINM/12085]	385770	LB	SW6010B	S	Vanadium	U to RRs <= 5 x BlankEquivConc (none)	TRG	7/3/2006	9:55	7/7/2006	23:21	laboratory blank contamination (B 0.094 mg/kg)	327372
IW-036-EB	20606293811	EQBK	SW6010B	W	Vanadium	U to RRs <= 5 x BlankEquivConc (none)	TRG	7/1/2006	14:40	7/4/2006	0:46	equipment blank contamination (B 0.0011 mg/L)	327155
MB for HBN 326879 [DIGINM/12085]	385770	LB	SW6010B	S	Zinc	U to RRs <= 5 x BlankEquivConc (none)	TRG	7/3/2006	9:55	7/7/2006	23:21	laboratory blank contamination (B 0.76 mg/kg)	327372

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Sample_ID	Lab_Sample_ID	Test_type_code	Analytical_Method	Matrix	Parameter	Valid_qualifier	Result_type_code	Prep_date	Prep_time	Analysis_Date	Analysis_Time	QC_comment	QC_Batch
IWSE-03-003(0-0.5) MSD	20606293806	MSD	SW6010B	S	Zinc	J to RRs	TRG	7/3/2006	9:55	7/7/2006	23:59	poor MS/MSD precision (34 RPD)	327372
IW-036-EB	20606293811	EQBK	SW6010B	W	Zinc	U to RRs <= 5 x BlankEquivConc (none)	TRG	7/1/2006	14:40	7/4/2006	0:46	equipment blank contamination (B 0.011 mg/L)	327155
IWSE-03-003(0-0.5) MSD	20606293806	MSD	SW8081A	S	4,4'-DDE	J+ to RRs	TRG	6/30/2006	12:00	7/5/2006	9:50	high ave MS/MSD recovery (352.5%)	327213
IWSE-03-003(0-0.5) MSD	20606293806	MSD	SW8081A	S	4,4'-DDE	J to RRs	TRG	6/30/2006	12:00	7/5/2006	9:50	poor MS/MSD precision (130 RPD)	327213
IWSE-03-003(0-0.5) MSD	20606293806	MSD	SW8081A	S	4,4'-DDT	J- / UJ to RRs/NDs	TRG	6/30/2006	12:00	7/5/2006	9:50	low ave MS/MSD recovery (34.5%)	327213
x	2060703sv16a076	CCV1	SW8081A		4,4'-DDT	J+ to RRs (none)	Pest			7/5/06	15:15	calibration drift (%D= 16)	
x	2060703sv17a061	CCV1	SW8081A		4,4'-DDT	J+ to RRs	Pest			7/4/06	15:53	calibration drift (%D= 18)	
x	2060707sv17a012	CCV1	SW8081A		4,4'-DDT	J+ to RRs	Pest			7/7/06	17:09	calibration drift (%D= 19)	
x	2060707sv17a016	CCV1	SW8081A		4,4'-DDT	J+ to RRs	Pest			7/8/06	10:08	calibration drift (%D= 20)	
x	2060707sv17a022	CCV1	SW8081A		4,4'-DDT	J+ to RRs	Pest			7/8/06	12:41	calibration drift (%D= 23)	
IWSE-03-003(0-0.5) MSD	20606293806	MSD	SW8081A	S	alpha-Chlordane	J+ to RRs	TRG	6/30/2006	12:00	7/5/2006	9:50	high ave MS/MSD recovery (336%)	327213
IWSE-03-003(0-0.5) MSD	20606293806	MSD	SW8081A	S	alpha-Chlordane	J to RRs	TRG	6/30/2006	12:00	7/5/2006	9:50	poor MS/MSD precision (122 RPD)	327213
IW-036-EB	20606293811	EQBK	SW8081A	W	delta-BHC	U to RRs <= 5 x BlankEquivConc (none)	TRG	6/30/2006	16:00	7/6/2006	5:29	equipment blank contamination (J 0.015 ug/L)	327279
IWSE-03-003(0-0.5) MSD	20606293806	MSD	SW8081A	S	Dieldrin	J+ to RRs (none)	TRG	6/30/2006	12:00	7/5/2006	9:50	high ave MS/MSD recovery (174%)	327213
IWSE-03-003(0-0.5) MSD	20606293806	MSD	SW8081A	S	Dieldrin	J to RRs (none)	TRG	6/30/2006	12:00	7/5/2006	9:50	poor MS/MSD precision (65 RPD)	327213
LCSD for HBN 327464 (EXTO/1412)	388385	LCSD	SW8081A	S	Endosulfan I	J- / UJ to RRs/NDs	TRG	7/6/2006	10:30	7/7/2006	14:42	low ave LCS/LCSD recovery (50.5%)	327554
IWSE-03-003(0-0.5) MSD	20606293806	MSD	SW8081A	S	Endosulfan I	J+ to RRs (none)	TRG	6/30/2006	12:00	7/5/2006	9:50	high ave MS/MSD recovery (305%)	327213
IWSE-03-003(0-0.5) MSD	20606293806	MSD	SW8081A	S	Endosulfan I	J to RRs (none)	TRG	6/30/2006	12:00	7/5/2006	9:50	poor MS/MSD precision (142 RPD)	327213
x	2060703sv17a047	CCV1	SW8081A		Endrin ketone	J+ to RRs (none)	Pest			7/4/06	9:28	calibration drift (%D= 16)	
IWSE-03-003(0-0.5) MSD	20606293806	MSD	SW8081A	S	gamma-Chlordane	J+ to RRs	TRG	6/30/2006	12:00	7/5/2006	9:50	high ave MS/MSD recovery (400.5%)	327213
IWSE-03-003(0-0.5) MSD	20606293806	MSD	SW8081A	S	gamma-Chlordane	J to RRs	TRG	6/30/2006	12:00	7/5/2006	9:50	poor MS/MSD precision (130 RPD)	327213
IWSE-13-013 (0-0.5)	20606293817	SMP	SW8081A	S	gamma-Chlordane	J to RR	TRG	6/30/2006	12:00	7/4/2006	13:10	high RPD (195%) between columns; lower value reported due to interference	327213
IWSE-14-014 (0-0.5)	20606293818	SMP	SW8081A	S	gamma-Chlordane	J to RR	TRG	6/30/2006	12:00	7/4/2006	13:31	high RPD (192%) between columns; lower value reported due to interference	327213
IWSE-15-015 (0-0.5)	20606293819	SMP	SW8081A	S	gamma-Chlordane	J to RR	TRG	6/30/2006	12:00	7/4/2006	13:52	high RPD (195%) between columns; lower value reported due to interference	327213
IWSE-11-011 (0-0.5)	20606293821	SMP	SW8081A	S	gamma-Chlordane	J to RR	TRG	6/30/2006	12:00	7/5/2006	8:26	high RPD (195%) between columns; lower value reported due to interference	327213
IWSE-03-003(0-0.5) MSD	20606293806	MSD	SW8081A	S	Heptachlor epoxide	J+ to RRs (none)	TRG	6/30/2006	12:00	7/5/2006	9:50	high ave MS/MSD recovery (270.5%)	327213
IWSE-03-003(0-0.5) MSD	20606293806	MSD	SW8081A	S	Heptachlor epoxide	J to RRs (none)	TRG	6/30/2006	12:00	7/5/2006	9:50	poor MS/MSD precision (98 RPD)	327213

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Sample_ID	Lab_Sample_ID	Test_type_code	Analytical_Method	Matrix	Parameter	Valid_qualifier	Result_type_code	Prep_date	Prep_time	Analysis_Date	Analysis_Time	QC_comment	QC_Batch
IWSE-03-003(0-0.5) MSD	20606293806	MSD	SW8081A	S	Methoxychlor	J- / UJ to RRs/NDs	TRG	6/30/2006	12:00	7/5/2006	9:50	low ave MS/MSD recovery (31%)	327213
x	2060703sv16a076	CCV1	SW8081A		Methoxychlor	J+ to RRs (none)	Pest			7/5/06	15:15	calibration drift (%D= 17)	
x	2060703sv17a061	CCV1	SW8081A		Methoxychlor	J+ to RRs (none)	Pest			7/4/06	15:53	calibration drift (%D= 18)	
x	2060707sv17a012	CCV1	SW8081A		Methoxychlor	J+ to RRs (none)	Pest			7/7/06	17:09	calibration drift (%D= 17)	
x	2060707sv17a022	CCV1	SW8081A		Methoxychlor	J+ to RRs (none)	Pest			7/8/06	12:41	calibration drift (%D= 21)	
IWSE-04-004(0-0.5)	20606293807	SMP	SW8081A	S	Tetrachloro-m-xylene	none (only one of multiple surrogates is deficient)	SUR	7/6/2006	10:30	7/8/2006	10:53	low SU recovery (56%)	327554
IWSE-07-007(0-0.5)	20606293810	SMP	SW8081A	S	Tetrachloro-m-xylene	none (only one of multiple surrogates is deficient)	SUR	6/30/2006	12:00	7/4/2006	11:25	low SU recovery (53%)	327213
IWSE-08-008 (0-0.5)	20606293812	SMP	SW8081A	S	Tetrachloro-m-xylene	none (only one of multiple surrogates is deficient)	SUR	6/30/2006	12:00	7/4/2006	11:46	low SU recovery (52%)	327213
IWSE-10-010 (0-0.5)	20606293814	SMP	SW8081A	S	Tetrachloro-m-xylene	none (only one of multiple surrogates is deficient)	SUR	6/30/2006	12:00	7/4/2006	12:28	low SU recovery (59%)	327213
x	2060707sv17a003	CCV1	SW8082		AR 1016-Peak1	J- to RRs (none)	Aro			7/7/06	13:06	calibration drift (%D= -19)	
x	B5356	CCV1	SW8260B		1,2-Dichloroethane	J- / UJ to RRs/NDs	VOC			7/4/06	14:03	calibration drift (%D= -21)	
x	G5210	ICAL1	SW8260B		2-Chloroethyl vinyl ether	J / UJ to RRs/NDs	VOC			6/18/06	16:30	poor calibration fit (%RSD=26)	
IWSE-03-003(0-0.5) MSD	20606293806	MSD	SW8260B	S	2-Chloroethylvinyl ether	J- / UJ to RRs/NDs	TRG			7/3/2006	2:22	low ave MS/MSD recovery (47%)	327049
IW-036-EB	20606293811	EQBK	SW8260B	W	Acetone	U to RRs <= 10 x BlankEquivConc	TRG			7/1/2006	3:31	equipment blank contamination (J 4.35 ug/L)	326947
IW-037-FB	20606293815	TRIPBK	SW8260B	W	Acetone	U to RRs <= 10 x BlankEquivConc	TRG			7/1/2006	3:56	trip blank contamination (J 6.86 ug/L)	326947
x	B5356	CCV1	SW8260B		Acetone	J+ to RRs	VOC			7/4/06	14:03	calibration drift (%D= 28)	
IWSE-03-003(0-0.5) MSD	20606293806	MSD	SW8260B	S	Acrolein	J- / UJ to RRs/NDs	TRG			7/6/2006	17:32	low ave MS/MSD recovery (27.5%)	327202
x	B5236	ICAL1	SW8260B		Acrolein	J / UJ to RRs/NDs	VOC			7/2/06	11:48	low instrument response (low RRF); elevate SDL for NDs 5x (Sed)	
x	B5310	CCV1	SW8260B		Acrolein	J- / UJ to RRs/NDs	VOC			7/3/06	20:20	calibration drift (%D= -29)	
x	B5356	CCV1	SW8260B		Acrolein	J- / UJ to RRs/NDs	VOC			7/4/06	14:03	calibration drift (%D= -36)	
x	B5412	ICAL1	SW8260B		Acrolein	J / UJ to RRs/NDs	VOC			7/6/06	10:47	low instrument response (low RRF); elevate SDL for NDs 5x (Sed)	
x	B5310	CCV1	SW8260B		Acrylonitrile	J- / UJ to RRs/NDs	VOC			7/3/06	20:20	calibration drift (%D= -26)	
x	B5356	CCV1	SW8260B		Acrylonitrile	J- / UJ to RRs/NDs	VOC			7/4/06	14:03	calibration drift (%D= -23)	
x	B5310	CCV1	SW8260B		Bromomethane	J- / UJ to RRs/NDs	VOC			7/3/06	20:20	calibration drift (%D= -22)	
x	B5356	CCV1	SW8260B		Bromomethane	J- / UJ to RRs/NDs	VOC			7/4/06	14:03	calibration drift (%D= -23)	
IWSE-03-034-(0-0.5)	20606293804	SMP	SW8260B	S	cis-1,2-Dichloroethene	J / UJ to RRs/NDs	TRG			7/6/2006	16:12	large difference between field duplicate pair (> 3 x MQL)	327202
x	B5356	CCV1	SW8260B		Cyclohexane	J+ to RRs (none)	VOC			7/4/06	14:03	calibration drift (%D= 21)	
IWSE-03-034-(0-0.5) 1X	20608310801	SMP	SW8260B	S	IS1 (Fluorobenzene)	J / UJ to RRs/NDs quantitated with IS1	TRG			7/4/2006	0:48	low internal standard area (-54% of daily standard area)	327119
IWSE-03-034-(0-0.5) 1X	20608310801	SMP	SW8260B	S	IS2 (Chlorobenzene-d5)	J / UJ to RRs/NDs quantitated with IS2	TRG			7/4/2006	0:48	low internal standard area (-55% of daily standard area)	327119
IWSE-03-034-(0-0.5) 1X	20608310801	SMP	SW8260B	S	IS3 (1,4-Dichlorobenzene-d4)	J / UJ to RRs/NDs quantitated with IS3	TRG			7/4/2006	0:48	low internal standard area (-58% of daily standard area)	327119
x	B5310	CCV1	SW8260B		Methyl acetate	J- / UJ to RRs/NDs	VOC			7/3/06	20:20	calibration drift (%D= -30)	

ATTACHMENT 1

Sample_ID	Lab_Sample_ID	Test_type_code	Analytical_Method	Matrix	Parameter	Valid_qualifier	Result_type_code	Prep_date	Prep_time	Analysis_Date	Analysis_Time	QC_comment	QC_Batch
x	B5356	CCV1	SW8260B		Methyl acetate	J- / UJ to RRs/NDs	VOC			7/4/06	14:03	calibration drift (%D= -27)	
x	B5356	CCV1	SW8260B		Methyl cyclohexane	J+ to RRs	VOC			7/4/06	14:03	calibration drift (%D= 25)	
IW-036-EB	20606293811	EQBK	SW8260B	W	Methylene chloride	U to RRs <= 10 x BlankEquivConc	TRG			7/1/2006	3:31	equipment blank contamination (J 3.21 ug/L)	326947
IW-037-FB	20606293815	TRIPBK	SW8260B	W	Methylene chloride	U to RRs <= 10 x BlankEquivConc	TRG			7/1/2006	3:56	trip blank contamination (J 3.63 ug/L)	326947
x	G5023	ICAL2	SW8260B		n-Butyl alcohol	J / UJ to RRs/NDs	App9			6/14/06	7:30	low instrument response (low RRF); elevate SDL for NDs 2x (SW) or 50x (Sed)	
x	G5785	CCV2	SW8260B		n-Butyl alcohol	J+ to RRs (none)	App9			7/5/06	9:25	calibration drift (%D= 27)	
x	U7165	ICAL2	SW8260B		n-Butyl alcohol	J / UJ to RRs/NDs	App9			7/1/06	9:12	low instrument response (low RRF); elevate SDL for NDs 5x (Sed)	
IW-036-EB	20606293811	EQBK	SW8260B	W	Tetrachloroethene	U to RRs <= 5 x BlankEquivConc	TRG			7/1/2006	3:31	equipment blank contamination (J 1.12 ug/L)	326947
IWSE-03-034-(0-0.5)	20606293804	SMP	SW8260B	S	Trichloroethene	J / UJ to RRs/NDs	TRG			7/6/2006	16:12	large difference between field duplicate pair (> 3 x MQL)	327202
x	B5236	ICAL1	SW8260B		Vinyl Chloride	J / UJ to RRs/NDs	VOC			7/2/06	11:48	poor calibration fit (%RSD=19)	
x	B5412	ICAL1	SW8260B		Vinyl Chloride	J / UJ to RRs/NDs	VOC			7/6/06	10:47	poor calibration fit (%RSD=18)	
IWSE-01-001-(0-0.5)	20606293801	SMP	SW8270C	S	2,4,6-Tribromophenol	none (only one of multiple surrogates is deficient)	SUR	6/30/2006	10:00	7/2/2006	21:11	low SU recovery (54%)	327060
IWSE-02-002-(0-0.5)	20606293802	SMP	SW8270C	S	2,4,6-Tribromophenol	none (only one of multiple surrogates is deficient)	SUR	6/30/2006	10:00	7/2/2006	21:27	low SU recovery (54%)	327060
IWSE-05-005(0-0.5)	20606293808	SMP	SW8270C	S	2,4,6-Tribromophenol	none (only one of multiple surrogates is deficient)	SUR	6/30/2006	10:00	7/2/2006	22:11	low SU recovery (55%)	327060
IWSE-09-009 (0-0.5)	20606293813	SMP	SW8270C	S	2,4,6-Tribromophenol	none (only one of multiple surrogates is deficient)	SUR	7/3/2006	16:00	7/4/2006	17:49	low SU recovery (58%)	327192
LCSD for HBN 326840 [EXTO/1404]	385658	LCSD	SW8270C	S	2,4-Dinitrophenol	J- / UJ to RRs/NDs	TRG	6/30/2006	10:00	7/2/2006	17:57	low ave LCS/LCSD recovery (57%)	327060
LCSD for HBN 326840 [EXTO/1404]	385658	LCSD	SW8270C	S	2,4-Dinitrophenol	J to RRs (none)	TRG	6/30/2006	10:00	7/2/2006	17:57	poor LCS/LCSD precision (43 RPD)	327060
LCSD for HBN 327188 [EXTO/1409]	387104	LCSD	SW8270C	S	2,4-Dinitrophenol	J- / UJ to RRs/NDs	TRG	7/3/2006	16:00	7/4/2006	16:03	low ave LCS/LCSD recovery (45%)	327192
LCSD for HBN 326840 [EXTO/1404]	385658	LCSD	SW8270C	S	3-Nitroaniline	J- / UJ to RRs/NDs	TRG	6/30/2006	10:00	7/2/2006	17:57	low ave LCS/LCSD recovery (59%)	327060
IWSE-03-003(0-0.5) MSD	20606293806	MSD	SW8270C	S	3-Nitroaniline	J- / UJ to RRs/NDs	TRG	7/3/2006	16:00	7/4/2006	16:49	low ave MS/MSD recovery (58%)	327192
LCSD for HBN 327188 [EXTO/1409]	387104	LCSD	SW8270C	S	4-Chloroaniline	J- / UJ to RRs/NDs	TRG	7/3/2006	16:00	7/4/2006	16:03	low ave LCS/LCSD recovery (56.5%)	327192
IWSE-03-003(0-0.5) MSD	20606293806	MSD	SW8270C	S	4-Nitroaniline	J- / UJ to RRs/NDs	TRG	7/3/2006	16:00	7/4/2006	16:49	low ave MS/MSD recovery (54%)	327192
IWSE-03-003(0-0.5) MSD	20606293806	MSD	SW8270C	S	4-Nitroaniline	J to RRs (none)	TRG	7/3/2006	16:00	7/4/2006	16:49	poor MS/MSD precision (63 RPD)	327192
IW-036-EB	20606293811	EQBK	SW8270C	W	Acetophenone	U to RRs <= 5 x BlankEquivConc (none)	TRG	6/30/2006	9:00	7/2/2006	3:24	equipment blank contamination (J 0.513 ug/L)	327031
x	B2295	CCV1	SW8270C		Aniline	J+ to RRs (none)	SVOC			7/4/06	10:27	calibration drift (%D= 21)	
LCSD for HBN 327188 [EXTO/1409]	387104	LCSD	SW8270C	S	Benzaldehyde	J- / UJ to RRs/NDs	TRG	7/3/2006	16:00	7/4/2006	16:03	low ave LCS/LCSD recovery (20%)	327192
IWSE-03-003(0-0.5) MSD	20606293806	MSD	SW8270C	S	Benzaldehyde	J- / UJ to RRs/NDs	TRG	7/3/2006	16:00	7/4/2006	16:49	low ave MS/MSD recovery (52%)	327192
IWSE-03-003(0-0.5) MSD	20606293806	MSD	SW8270C	S	Benzaldehyde	J to RRs (none)	TRG	7/3/2006	16:00	7/4/2006	16:49	poor MS/MSD precision (92 RPD)	327192

ATTACHMENT 1

Sample_ID	Lab_Sample_ID	Test_type_code	Analytical_Method	Matrix	Parameter	Valid_qualifier	Result_type_code	Prep_date	Prep_time	Analysis_Date	Analysis_Time	QC_comment	QC_Batch
x	B2295	CCV1	SW8270C		Benzaldehyde	J- / UJ to RRs/NDs	SVOC			7/4/06	10:27	calibration drift (%D= -45)	
LCSD for HBN 326840 [EXTO/1404]	385658	LCSD	SW8270C	S	Benzidine	J- / UJ to RRs/NDs	TRG	6/30/2006	10:00	7/2/2006	17:57	low ave LCS/LCSD recovery (50.5%)	327060
LCSD for HBN 326840 [EXTO/1404]	385658	LCSD	SW8270C	S	Benzidine	J to RRs (none)	TRG	6/30/2006	10:00	7/2/2006	17:57	poor LCS/LCSD precision (57 RPD)	327060
LCSD for HBN 327188 [EXTO/1409]	387104	LCSD	SW8270C	S	Benzidine	J- / UJ to RRs/NDs	TRG	7/3/2006	16:00	7/4/2006	16:03	low ave LCS/LCSD recovery (42%)	327192
IWSE-03-003(0-0.5) MSD	20606293806	MSD	SW8270C	S	Benzidine	J- / UJ to RRs/NDs	TRG	7/3/2006	16:00	7/4/2006	16:49	low ave MS/MSD recovery (30%)	327192
IWSE-03-003(0-0.5) MSD	20606293806	MSD	SW8270C	S	Benzidine	J to RRs (none)	TRG	7/3/2006	16:00	7/4/2006	16:49	poor MS/MSD precision (188 RPD)	327192
x	B2208	CCV1	SW8270C		Benzidine	J- / UJ to RRs/NDs	SVOC			7/2/06	13:21	calibration drift (%D= -29)	
x	B2295	CCV1	SW8270C		Benzidine	J- / UJ to RRs/NDs	SVOC			7/4/06	10:27	calibration drift (%D= -86)	
LCSD for HBN 326840 [EXTO/1404]	385658	LCSD	SW8270C	S	Benzo(k)fluoranthene	J- / UJ to RRs/NDs	TRG	6/30/2006	10:00	7/2/2006	17:57	low ave LCS/LCSD recovery (58%)	327060
IWSE-03-003(0-0.5) MSD	20606293806	MSD	SW8270C	S	Benzoic acid	J- / UJ to RRs/NDs	TRG	7/3/2006	16:00	7/4/2006	16:49	low ave MS/MSD recovery (38.5%)	327192
MB for HBN 326840 [EXTO/14042]	385656	LB	SW8270C	S	Bis(2-Ethylhexyl)phthalate	U to RRs <= 10 x BlankEquivConc	TRG	6/30/2006	10:00	7/2/2006	17:27	laboratory blank contamination (J 20.4 ug/Kg)	327060
MB for HBN 327188 [EXTO/14097]	387102	LB	SW8270C	S	Bis(2-Ethylhexyl)phthalate	U to RRs <= 10 x BlankEquivConc	TRG	7/3/2006	16:00	7/4/2006	15:33	laboratory blank contamination (J 13.8 ug/Kg)	327192
IW-036-EB	20606293811	EQBK	SW8270C	W	Bis(2-Ethylhexyl)phthalate	U to RRs <= 10 x BlankEquivConc	TRG	6/30/2006	9:00	7/2/2006	3:24	equipment blank contamination (22.8 ug/L)	327031
IW-036-EB	20606293811	EQBK	SW8270C	W	Di-n-butyl phthalate	U to RRs <= 10 x BlankEquivConc	TRG	6/30/2006	9:00	7/2/2006	3:24	equipment blank contamination (J 2.5 ug/L)	327031
LCSD for HBN 326840 [EXTO/1404]	385658	LCSD	SW8270C	S	Fluoranthene	J- / UJ to RRs/NDs	TRG	6/30/2006	10:00	7/2/2006	17:57	low ave LCS/LCSD recovery (58.5%)	327060
IWSE-03-003(0-0.5) MSD	20606293806	MSD	SW8270C	S	Fluoranthene	J- / UJ to RRs/NDs	TRG	7/3/2006	16:00	7/4/2006	16:49	low ave MS/MSD recovery (55.5%)	327192
LCSD for HBN 326840 [EXTO/1404]	385658	LCSD	SW8270C	S	Hexachlorocyclopentadiene	J- / UJ to RRs/NDs	TRG	6/30/2006	10:00	7/2/2006	17:57	low ave LCS/LCSD recovery (37.5%)	327060
IWSE-03-003(0-0.5) MSD	20606293806	MSD	SW8270C	S	Hexachlorocyclopentadiene	J- / UJ to RRs/NDs	TRG	7/3/2006	16:00	7/4/2006	16:49	low ave MS/MSD recovery (52.5%)	327192
LCSD for HBN 326840 [EXTO/1404]	385658	LCSD	SW8270C	S	Hexachloroethane	J- / UJ to RRs/NDs	TRG	6/30/2006	10:00	7/2/2006	17:57	low ave LCS/LCSD recovery (54.5%)	327060
LCSD for HBN 327188 [EXTO/1409]	387104	LCSD	SW8270C	S	Hexachloroethane	J- / UJ to RRs/NDs	TRG	7/3/2006	16:00	7/4/2006	16:03	low ave LCS/LCSD recovery (59.5%)	327192
IWSE-03-003(0-0.5) MSD	20606293806	MSD	SW8270C	S	Hexachloroethane	J- / UJ to RRs/NDs	TRG	7/3/2006	16:00	7/4/2006	16:49	low ave MS/MSD recovery (58%)	327192
x	B2161	ICAL	SW8270C		Phenol	J / UJ to RRs/NDs	SVOC			7/1/06	18:17	poor calibration fit (%RSD=20)	
LCSD for HBN 326840 [EXTO/1404]	385658	LCSD	SW8270C	S	Pyridine	J- / UJ to RRs/NDs	TRG	6/30/2006	10:00	7/2/2006	17:57	low ave LCS/LCSD recovery (49.5%)	327060
x	B2161	ICAL	SW8270C		Pyridine	J / UJ to RRs/NDs	SVOC			7/1/06	18:17	poor calibration fit (%RSD=16)	
IWSE-03-003-(0-0.5)	20606293803	SMP	SW8270C	S	Terphenyl-d14	none (only one of multiple surrogates is deficient)	SUR	7/3/2006	16:00	7/4/2006	16:18	low SU recovery (56%)	327192
IWSE-06-006(0-0.5)	20606293809	SMP	SW8270C	S	Terphenyl-d14	none (only one of multiple surrogates is deficient)	SUR	7/3/2006	16:00	7/4/2006	17:04	low SU recovery (52%)	327192
IWSE-07-007(0-0.5)	20606293810	SMP	SW8270C	S	Terphenyl-d14	none (only one of multiple surrogates is deficient)	SUR	7/3/2006	16:00	7/4/2006	17:19	low SU recovery (53%)	327192
IWSE-08-008 (0-0.5)	20606293812	SMP	SW8270C	S	Terphenyl-d14	none (only one of multiple surrogates is deficient)	SUR	7/3/2006	16:00	7/4/2006	17:34	low SU recovery (48%)	327192

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Sample_ID	Lab_Sample_ID	Test_type_code	Analytical_Method	Matrix	Parameter	Valid_qualifier	Result_type_code	Prep_date	Prep_time	Analysis_Date	Analysis_Time	QC_comment	QC_Batch
IWSE-09-009 (0-0.5)	20606293813	SMP	SW8270C	S	Terphenyl-d14	none (only one of multiple surrogates is deficient)	SUR	7/3/2006	16:00	7/4/2006	17:49	low SU recovery (45%)	327192
IWSE-10-010 (0-0.5)	20606293814	SMP	SW8270C	S	Terphenyl-d14	none (only one of multiple surrogates is deficient)	SUR	7/3/2006	16:00	7/4/2006	18:04	low SU recovery (51%)	327192
IWSE-12-012 (0-0.5)	20606293816	SMP	SW8270C	S	Terphenyl-d14	none (only one of multiple surrogates is deficient)	SUR	7/3/2006	16:00	7/4/2006	18:19	low SU recovery (47%)	327192
IWSE-13-013 (0-0.5)	20606293817	SMP	SW8270C	S	Terphenyl-d14	none (only one of multiple surrogates is deficient)	SUR	7/3/2006	16:00	7/4/2006	18:34	low SU recovery (48%)	327192
IWSE-14-014 (0-0.5)	20606293818	SMP	SW8270C	S	Terphenyl-d14	none (only one of multiple surrogates is deficient)	SUR	7/3/2006	16:00	7/4/2006	18:49	low SU recovery (48%)	327192
IWSE-15-015 (0-0.5)	20606293819	SMP	SW8270C	S	Terphenyl-d14	none (only one of multiple surrogates is deficient)	SUR	7/3/2006	16:00	7/4/2006	19:04	low SU recovery (48%)	327192
IWSE-16-016 (0-0.5)	20606293820	SMP	SW8270C	S	Terphenyl-d14	none (only one of multiple surrogates is deficient)	SUR	7/3/2006	16:00	7/4/2006	19:19	low SU recovery (47%)	327192
IWSE-11-011 (0-0.5)	20606293821	SMP	SW8270C	S	Terphenyl-d14	none (only one of multiple surrogates is deficient)	SUR	7/3/2006	16:00	7/4/2006	19:34	low SU recovery (45%)	327192

DATA VALIDATION CHECKLIST (Level III and Level IV)				
ITEM	Yes	No	NA	Comment Number
Client Name: Pastor, Behling, & Wheeler				Project Number: 1352
Property Location: Gulfco Superfund Site				Project Manager: Eric Pastor
Laboratory: GCAL - Baton Rouge, LA GEL - Charleston, SC				Laboratory Job No.: GCAL - 206062924 GEL 166215-1
Reviewer: Don Flory (QAA, L.L.C.)				Date Checked: 9/9/06
Chain of Custody (COC) and Sample Receipt at Lab				
1. Signed COCs included and seals used?	X			
2. Date and time of sample collection included?	X			
3. All samples listed on the COC analyzed for in accordance with the RI/FS Work Plan?	X			
4. Field QC sample frequency met project requirements?			X	
5. Sample receipt temperature 2-6°C?	X			
6. Samples preserved appropriately?	X			
7. Samples received within 2 days of collection?	X			from GCAL
8. No problems noted?	X			
Laboratory Report and Data Package				
9. Signed Case Narrative included?	X			
10. No analytical discrepancies noted in case narrative?		X		10.
11. Elevated reporting limits justified?			X	
12. MDLs reasonable per DCS?			X	12.
13. Calibration data acceptable?	X			ecd8 070606
14. ICV and CCV recoveries within project control limits?	X			
15. ICB and CCB results <RL (MQL)?			X	
16. Internal standard areas within project control limits?			X	
Laboratory EDD				
17. Field sample IDs included?		X		17.
18. Laboratory sample IDs included?	X			
19. Date of analysis included?	X			
20. Date of sample preparation included?	X			
21. Samples prepared within holding time?	X			
22. Samples analyzed within holding time?	X			
23. Detection limit and quantitation limit included?	X			
24. Project target limits achieved?	X			
25. No elevated reporting limits?	X			
26. Method references included?	X			
27. Sample matrix included?	X			
28. Sample result units reported correctly?	X			in ug/L
29. Soil/ sediment results corrected for dry-weight?			X	
30. Method blank results <RL (MDL)?	X			
31. Equipment and Trip blank results <RL (MDL)?			X	
32. All COIs included in LCS?	X			
33. LCS recovery within project control limits?		X		33.
34. MS/MSD recoveries within project control limits?		X		34.
35. LCS/LCSD RPDs within project control limits?			X	No LCSD
36. MS/MSD RPDs within project control limits?		X		36.
37. Laboratory duplicate RPDs/Diffs within project control limits?			X	
38. Field duplicate RPDs/Diffs within project control limits?			X	
39. Surrogate recoveries within project control limits?	X			
40. Completeness percentage within project limits?	X			

<p>Definitions: CCB – Continuing Calibration Blank; CCV – Continuing Calibration Verification; COI – Compounds of Interest; DCS – Detectability Check Sample; ICB – Initial Calibration Blank; ICV – Initial Calibration Verification; LCS – Laboratory Control Sample; LCSD – Laboratory Control Sample Duplicate; MDL – Method Detection Limit; MS/MSD – Matrix Spike/Matrix Spike Duplicate; RL – Reporting Limit; RPD – Relative Percent Difference</p>				
COMMENTS				
10. Issues noted. All are based on laboratory limits, which do not affect flagging for this site, except:				
Several TAs failed CCV acceptance criteria with a positive bias on the confirmation column for this SDG. (CCVs that bracket site sample for this set are acceptable though.)				
MSD recoveries outside limits due to matrix interference as observed in chromatogram				
Elemental mercury and alumina cleanup used for sample extracts				
12. GEL laboratory packages do not include quantitation reports, chromatograms, or MDL/DCS documentation. Since all samples are ND and all QC information is available on summary forms, no further action was taken.				
17. Analyses were subcontracted and thus the field Sample ID is the primary Lab ID (from GCAL); incorrect Sample ID in EDD for surrogate records for MS and MSD, correct Sample ID inferred from Lab Sample ID.				
33. High LCS recoveries as follows. No flagging is required, as these TAs were not detected in the sample.				
Tetrachlorobiphenyl (52) 142% 2,4'-Dichlorobiphenyl (8) 147%				
34. High MS/MSD ave recovery as follows. No flagging is required, as this TA was not detected in the sample.				
2,4'-Dichlorobiphenyl (8) 155% Low MS/MSD recoveries as follows. The sample is ND for this TA and was qualified UJ. Tetrachlorobiphenyl (49) 96% and 0% (48% average)				
36. High MS/MSD RPD as follows. No flagging is required, as this TA was not detected in the sample.				
Tetrachlorobiphenyl (49) 200%				

DATA VALIDATION CHECKLIST (Level IV only)				
Client Name: Pastor, Behling, & Wheeler	Project Number: 1352			
Property Location: Gulfco Superfund Site	Project Manager: Eric Pastor			
Laboratory: GCAL - Baton Rouge, LA GEL - Charleston, SC	Laboratory Job No.: GCAL - 206062924 GEL 166215-1			
Reviewer: Don Flory (QAA, L.L.C.)	Date Checked: 9/9/06			
ITEM	Yes	No	NA	Comment Number
Laboratory Report and Raw Data Package				
1. Sample results calculated and transcribed correctly?			X	no quant reports
2. QC parameters calculated and reported correctly?			X	no quant reports
3. Pesticide breakdown \leq 15%?			X	
4. GC/MS tuning performance within criteria?			X	
5. GC/MS RRF above minimum project requirements?			X	
6. ICP ICS recoveries within criteria?			X	
7. ICP ICB/CCB absolute value of results $<$ MQL?			X	
8. GC qualitative identification criteria met?	X			Checked MS
9. GC/MS qualitative identification criteria met?			X	
10. GC second confirmation RPD criteria met?		X		10.
COMMENTS				
10. Sample has all NDs. High RPD for one TA in LCS and several in MS/MSD. No effect on sample data quality.				

SET SUMMARY
LABORATORY JOB NO.: 206062924

1	Number of Field Samples including Field Duplicates (0)
1	Number of Field MS/MSD Pairs
0	Number of Equipment Rinsate Blanks
0	Number of Field Blanks
NA	Number of VOC Trip Blanks
1	Number of Parameters (PCB Congeners)
31	Number of Target Analytes per Sample
31	Total Measurements for Field Samples
30	Number of measurements with no validation qualifier (i.e., "none" in EDD)
1	Number of measurements with UJ flag (for Tetrachlorobiphenyl (49) due to low matrix spike recovery)
0	Number of measurements with J- flag
0	Number of measurements with J flag
0	Number of measurements with J+ flag
0	Number of measurements with U flag
0	Number of measurement with NS flag
0	Number of measurements with R flag
100%	Completeness-to-date on a sample level (percentage of surface water samples with usable data, project goal 90%)
100%	Completeness-to-date on an analyte level (percentage of surface water samples with usable data for a specific analyte, project goal 80%) – PCB Congeners

Usability: All data suitable as qualified for the intended use

DATA VALIDATION CHECKLIST (Level III)				
ITEM	Yes	No	NA	Comment Number
Client Name: Pastor, Behling, & Wheeler				Project Number: 1352
Property Location: Gulfco Superfund Site				Project Manager: Eric Pastor
Laboratory: GCAL – Baton Rouge, LA				Laboratory Job No.: 206063017 + addendum
Reviewer: Taryn Scholz (QAA, L.L.C.)				Date Checked: 8/9/06 and 9/11/06
Chain of Custody (COC) and Sample Receipt at Lab				
1. Signed COCs included and seals used?	x			
2. Date and time of sample collection included?	x			
3. All samples listed on the COC analyzed for in accordance with the RI/FS Work Plan?	x			
4. Field QC sample frequency met project requirements?	x			
5. Sample receipt temperature 2-6°C?	x			
6. Samples preserved appropriately?	x			
7. Samples received within 2 days of collection?	x			
8. No problems noted?	x			
Laboratory Report and Data Package				
9. Signed Case Narrative included?	x			
10. No analytical discrepancies noted in case narrative?		x		10.
11. Elevated reporting limits justified?	x			
12. MDLs reasonable per DCS?				
13. Calibration data acceptable?		x		see attached
14. ICV and CCV recoveries within project control limits?		x		see attached
15. ICB and CCB results <RL (MQL)?	x			
16. Internal standard areas within project control limits?	x			
Laboratory EDD				
17. Field sample IDs included?	x			
18. Laboratory sample IDs included?	x			
19. Date of analysis included?	x			
20. Date of sample preparation included?	x			
21. Samples prepared within holding time?	x			
22. Samples analyzed within holding time?	x			
23. Detection limit and quantitation limit included?	x			
24. Project target limits achieved?		x		24.
25. No elevated reporting limits?		x		25.
26. Method references included?	x			
27. Sample matrix included?	x			
28. Sample result units reported correctly?	x			
29. Soil/ sediment results corrected for dry-weight?			x	
30. Method blank results <RL (MDL)?		x		see attached
31. Equipment and Trip blank results <RL (MDL)?		x		see attached
32. All COIs included in LCS?	x			32.
33. LCS recovery within project control limits?		x		see attached
34. MS/MSD recoveries within project control limits?		x		see attached
35. LCS/LCSD RPDs within project control limits?		x		see attached
36. MS/MSD RPDs within project control limits?		x		see attached
37. Laboratory duplicate RPDs/Diffs within project control limits?			x	
38. Field duplicate RPDs/Diffs within project control limits?	x			
39. Surrogate recoveries within project control limits?		x		see attached
40. Completeness percentage within project limits?		x		40.

<p>Definitions:</p> <p>CCB – Continuing Calibration Blank; CCV – Continuing Calibration Verification; COI – Compounds of Interest; DCS – Detectability Check Sample; ICB – Initial Calibration Blank; ICV – Initial Calibration Verification; LCS – Laboratory Control Sample; LCSD – Laboratory Control Sample Duplicate; MDL – Method Detection Limit; MS/MSD – Matrix Spike/Matrix Spike Duplicate; RL – Reporting Limit; RPD – Relative Percent Difference</p>				
COMMENTS				
<p>Level IV Check - GC/MS RRF for instrument calibration also included in Level III checks after deficiencies noted in first samples – see attached for deficiencies noted.</p>				
<p>Level IV Check - GC 2nd Quant RPD also included based on deficiency found in GC03SW – no detects for this set, check not applicable.</p>				
<p>Level IV Check - Metals Total vs. Dissolved also included after PBW noticed discrepancies. Total < Dissolved for 56 of 120 metals result pairs. See attached for deficiencies noted. All affected pairs qualified as estimated (J/ UJ) including all detects for Sb, As, Cd, Cu, Pb, Ni, Se, Ag, and Sr. Further evaluation showed that Dissolved samples all run on ICP5 whereas Total samples for this set and all samples (Total and Dissolved) for 206062916 analyzed on ICP6, which GCAL stated is a more stable instrument. Also, samples analyzed at 2-5x dilution due to high levels of Mg that interfered with the ICP correction when outside the linear range. Requested reanalyses of metals near PSV (As, Cu, Pb) in effort to lower the dilution rate and see if Total vs. Dissolved more accurate. Reanalyses all analyzed at 2x dilution and show no discrepancies for Total vs. Dissolved. Comparison of original analyses (Total and Dissolved) and reanalyses (Total and Dissolved) shown on attached table. The laboratory submitted the reanalyses in a new EDD, which also includes the original data for metals and all the other parameters. Since the original data had already been validated and flagged, the original EDD (206063017 submitted on 8/22/06) was retained. The validator selected the metals reanalyses for use by qualifying all of the original metals analyses for As, Cu, and Pb in the original EDD with a NS-flag. All data except that for the metals reanalyses for As, Cu, and Pb in the revised EDD (206063017rev1 submitted 9/11/06) was marked with a QC comment of 'NA – record validated in original submission 206063017'.</p>				
<p>10. Issues noted for all parameters. All are based on laboratory limits, which do not affect flagging for this site.</p> <p>24. Copper actual MDL (0.003 mg/L) slightly above Target (0.002 mg/L) but below PSV (0.0036 mg/L)</p> <p>25. Metals – All total and diss samples diluted (2-5x original, 2x reanalyses) to reduce interference, thus elevated RLs.</p> <p>32. All analytes routinely spiked by lab are included as per QAPP. This is every TA except n-Butyl alcohol, Toxaphene, and the 5 middle Aroclors.</p> <p>40. Analyte-level goal of 80% not met for 2-Chloroethylvinyl ether (destroyed by VOC preservative for aqueous samples) or for Benzoic Acid (extremely low LCSD recovery for this ‘poor performer’).</p>				

SET SUMMARY
Laboratory Job No.: 206063017

5	Number of Field Samples including Field Duplicates (1)
1	Number of Field MS/MSD Pairs
1	Number of Equipment Rinsate Blanks
0	Number of Field Blanks
1	Number of VOC Trip Blanks
7	Number of Parameters (VOC, SVOC, Pesticides, Aroclors, Metals-Total, Metals-Dissolved, TSS)
225	Number of Target Analytes per Sample
1154	Total Measurements for Field Samples (TSS not performed on Field Duplicate, Two analyses reported for As, Cu, Pb - Total and As, Cu, Pb - Dissolved)
822	Number of measurements with no validation qualifier (i.e., "none" in EDD)
151	Number of measurements with UJ flag (for various analytes due to low laboratory spike, matrix spike, and/or surrogate spike recovery; Total metal concentration < Dissolved metal concentration; poor calibration fit and/or calibration drift)
15	Number of measurements with UJ flag and an elevated SDL (for Acrolein, Chloroethane, and n-Butyl alcohol due to poor instrument response, i.e., low RRF)
0	Number of measurements with J- flag
30	Number of measurements with J flag (due solely to result being between the SDL and SQL)
6	Number of measurements with J flag due to result being between the SDL and SQL plus some other QC deficiency (one for 1,2-Dibromo-3-chloropropane with calibration drift and five for Chromium-Total with poor field duplicate precision)
45	Number of measurements with J flag due to result being between the SDL and SQL and/or the Total metal concentration < Dissolved metal concentration
0	Number of measurements with J+ flag
45	Number of measurements with U flag (due to blank contamination; analytes affected include 2-Butanone, Acetone, Antimony-Dissolved, Bis(2-Ethylhexyl)phthalate, Cadmium-Dissolved, Chromium-Dissolved, Cobalt-Dissolved, Di-n-butyl phthalate, Methylene chloride, Naphthalene, Silver-Dissolved, Titanium-Dissolved, Vanadium-Dissolved)
30	Number of measurements with NS flag (for As, Cu, and Pb because another analysis selected based on QC and the reported result)
10	Number of measurements with R flag (for five 2-Chloroethylvinyl ether non-detects because matrix spike recovery (0%) indicates analyte destroyed by preservative for aqueous samples and for five Benzoic acid non-detects due to extremely low LCSD recovery)
100%	Completeness-to-date on a sample level (percentage of surface water samples with usable data, project goal 90%)
0%	Completeness-to-date on an analyte level (percentage of surface water samples with usable data for a specific analyte, project goal 80%) – 2-Chloroethylvinyl ether
50%	Completeness-to-date on an analyte level (percentage of surface water samples with usable data for a specific analyte, project goal 80%) – Benzoic acid
100%	Completeness-to-date on an analyte level (percentage of surface water samples with usable data for a specific analyte, project goal 80%) – all other target analytes

Usability: All data suitable as qualified for the intended use except for the five results for 2-Chloroethylvinyl ether (all non-detects) and the five results for Benzoic acid (all non-detects). Data for Acrolein, Chloroethane, and n-Butyl alcohol usable with an elevated reporting limit for the non-detects (as given in the Electronic Data Deliverable). The LCS recovery for Benzidine is extremely low (less than 10%); however, the data for non-detects is considered usable with a UJ-flag because the MS and MSD recoveries (for the Field MS/MSD pair) are high at 224% and 137%, respectively.

ORIGINAL vs REANALYSES

Sample_ID	Lab_Sample_ID	Total_or_dissolved	Parameter	Instrument	Laboratory_ID	Valid_qualifier	Result	Unit	Dilution_Factor	QC_comment
					_Qualifiers					
IWSW17-017	20606301701	total	Arsenic	ICP6	U	UJ -> NS	0.006	mg/L	2	Total < Dissolved
IWSW17-017 (RE)	20606301710	total	Arsenic	ICP6	U	none	0.006	mg/L	2	none
IWSW17-017	20606301701	dissolved	Arsenic	ICP5	B	J -> NS	0.051	mg/L	2	result between SDL and SQL; Total < Dissolved
IWSW17-017 (RE)	20606301710	dissolved	Arsenic	ICP6	U	none	0.006	mg/L	2	none
IWSW17-017	20606301701	total	Copper	ICP6	U	UJ -> NS	0.006	mg/L	2	Total < Dissolved
IWSW17-017 (RE)	20606301710	total	Copper	ICP6	U	none	0.006	mg/L	2	none
IWSW17-017	20606301701	dissolved	Copper	ICP5	B	J -> NS	0.012	mg/L	2	result between SDL and SQL; Total < Dissolved
IWSW17-017 (RE)	20606301710	dissolved	Copper	ICP6	U	none	0.006	mg/L	2	none
IWSW17-017	20606301701	total	Lead	ICP6	U	UJ -> NS	0.0024	mg/L	2	Total < Dissolved
IWSW17-017 (RE)	20606301710	total	Lead	ICP6	U	none	0.0024	mg/L	2	none
IWSW17-017	20606301701	dissolved	Lead	ICP5	B	U -> NS	0.007	mg/L	2	laboratory blank contamination (0.0013 B mg/L); result between SDL and SQL; Total < Dissolved
IWSW17-017 (RE)	20606301710	dissolved	Lead	ICP6	U	none	0.0024	mg/L	2	none
IWSW18-018	20606301702	total	Arsenic	ICP6	U	UJ -> NS	0.015	mg/L	5	Total < Dissolved
IWSW18-018 (RE)	20606301711	total	Arsenic	ICP6	U	none	0.006	mg/L	2	none
IWSW18-018	20606301702	dissolved	Arsenic	ICP5	B	J -> NS	0.082	mg/L	5	result between SDL and SQL; Total < Dissolved
IWSW18-018 (RE)	20606301711	dissolved	Arsenic	ICP6	U	none	0.006	mg/L	2	none
IWSW18-018	20606301702	total	Copper	ICP6	U	UJ -> NS	0.015	mg/L	5	Total < Dissolved
IWSW18-018 (RE)	20606301711	total	Copper	ICP6	U	none	0.006	mg/L	2	none
IWSW18-018	20606301702	dissolved	Copper	ICP5	B	J -> NS	0.035	mg/L	5	result between SDL and SQL; Total < Dissolved
IWSW18-018 (RE)	20606301711	dissolved	Copper	ICP6	U	none	0.006	mg/L	2	none
IWSW18-018	20606301702	total	Lead	ICP6	U	UJ -> NS	0.006	mg/L	5	Total < Dissolved
IWSW18-018 (RE)	20606301711	total	Lead	ICP6	U	none	0.0024	mg/L	2	none
IWSW18-018	20606301702	dissolved	Lead	ICP5	B	U -> NS	0.015	mg/L	5	laboratory blank contamination (0.0013 B mg/L); result between SDL and SQL; Total < Dissolved
IWSW18-018 (RE)	20606301711	dissolved	Lead	ICP6	U	none	0.0024	mg/L	2	none
IWSW18-035	20606301703	total	Arsenic	ICP6	U	UJ -> NS	0.006	mg/L	2	Total < Dissolved
IWSW18-035 (RE)	20606301712	total	Arsenic	ICP6	U	none	0.006	mg/L	2	none
IWSW18-035	20606301703	dissolved	Arsenic	ICP5	B	J -> NS	0.053	mg/L	2	result between SDL and SQL; Total < Dissolved
IWSW18-035 (RE)	20606301712	dissolved	Arsenic	ICP6	U	none	0.006	mg/L	2	none
IWSW18-035	20606301703	total	Copper	ICP6	U	UJ -> NS	0.006	mg/L	2	Total < Dissolved
IWSW18-035 (RE)	20606301712	total	Copper	ICP6	B	J	0.0092	mg/L	2	result between SDL and SQL
IWSW18-035	20606301703	dissolved	Copper	ICP5	B	J -> NS	0.01	mg/L	2	result between SDL and SQL; Total < Dissolved
IWSW18-035 (RE)	20606301712	dissolved	Copper	ICP6	U	none	0.006	mg/L	2	none
IWSW18-035	20606301703	total	Lead	ICP6	U	none -> NS	0.0024	mg/L	2	none

ORIGINAL vs REANALYSES

Sample_ID	Lab_Sample_ID	Total_or_dissolved	Parameter	Instrument_ID	Laboratory_Qualifiers	Valid_qualifier	Result	Unit	Dilution_Factor	QC_comment
IWSW18-035 (RE)	20606301712	total	Lead	ICP6	U	none	0.0024	mg/L	2	none
IWSW18-035	20606301703	dissolved	Lead	ICP5	U	none -> NS	0.0024	mg/L	2	none
IWSW18-035 (RE)	20606301712	dissolved	Lead	ICP6	U	none	0.0024	mg/L	2	none
IWSW19-019	20606301706	total	Arsenic	ICP6	U	UJ -> NS	0.006	mg/L	2	Total < Dissolved
IWSW19-019 (RE)	20606301715	total	Arsenic	ICP6	U	none	0.006	mg/L	2	none
IWSW19-019	20606301706	dissolved	Arsenic	ICP5	B	J -> NS	0.044	mg/L	2	result between SDL and SQL; Total < Dissolved
IWSW19-019 (RE)	20606301715	dissolved	Arsenic	ICP6	U	none	0.006	mg/L	2	none
IWSW19-019	20606301706	total	Copper	ICP6	U	UJ -> NS	0.006	mg/L	2	Total < Dissolved
IWSW19-019 (RE)	20606301715	total	Copper	ICP6	B	J	0.011	mg/L	2	result between SDL and SQL
IWSW19-019	20606301706	dissolved	Copper	ICP5	B	J -> NS	0.01	mg/L	2	result between SDL and SQL; Total < Dissolved
IWSW19-019 (RE)	20606301715	dissolved	Copper	ICP6	U	none	0.006	mg/L	2	none
IWSW19-019	20606301706	total	Lead	ICP6	U	none -> NS	0.0024	mg/L	2	none
IWSW19-019 (RE)	20606301715	total	Lead	ICP6	U	none	0.0024	mg/L	2	none
IWSW19-019	20606301706	dissolved	Lead	ICP5	U	none -> NS	0.0024	mg/L	2	none
IWSW19-019 (RE)	20606301715	dissolved	Lead	ICP6	U	none	0.0024	mg/L	2	none
IWSW20-020	20606301707	total	Arsenic	ICP6	U	UJ -> NS	0.006	mg/L	2	Total < Dissolved
IWSW20-020 (RE)	20606301716	total	Arsenic	ICP6	U	none	0.006	mg/L	2	none
IWSW20-020	20606301707	dissolved	Arsenic	ICP5	B	J -> NS	0.047	mg/L	2	result between SDL and SQL; Total < Dissolved
IWSW20-020 (RE)	20606301716	dissolved	Arsenic	ICP6	U	none	0.006	mg/L	2	none
IWSW20-020	20606301707	total	Copper	ICP6	U	UJ -> NS	0.006	mg/L	2	Total < Dissolved
IWSW20-020 (RE)	20606301716	total	Copper	ICP6	B	J	0.0091	mg/L	2	result between SDL and SQL
IWSW20-020	20606301707	dissolved	Copper	ICP5	B	J -> NS	0.013	mg/L	2	result between SDL and SQL; Total < Dissolved
IWSW20-020 (RE)	20606301716	dissolved	Copper	ICP6	U	none	0.006	mg/L	2	none
IWSW20-020	20606301707	total	Lead	ICP6	U	none -> NS	0.0024	mg/L	2	none
IWSW20-020 (RE)	20606301716	total	Lead	ICP6	U	none	0.0024	mg/L	2	none
IWSW20-020	20606301707	dissolved	Lead	ICP5	U	none -> NS	0.0024	mg/L	2	none
IWSW20-020 (RE)	20606301716	dissolved	Lead	ICP6	U	none	0.0024	mg/L	2	none

QUALIFIED DATA TABLE

Field Sample Identification	Total_or_dissolved	Analyte	Data Qualifier	Reason for Qualification
IWSW17-017	dissolved	Aluminum	J	result between SDL and SQL
IWSW17-017	total	Antimony	UJ	Total < Dissolved
IWSW17-017	dissolved	Antimony	U	laboratory blank contamination (0.0049 B mg/L); result between SDL and SQL; Total < Dissolved
IWSW17-017	total	Arsenic	NS	Total < Dissolved; another analysis selected based on QC and the reported result
IWSW17-017	dissolved	Arsenic	NS	result between SDL and SQL; Total < Dissolved; another analysis selected based on QC and the reported result
IWSW17-017	total	Barium	J	Total < Dissolved
IWSW17-017	dissolved	Barium	J	Total < Dissolved
IWSW17-017	total	Boron	J	Total < Dissolved
IWSW17-017	dissolved	Boron	J	Total < Dissolved
IWSW17-017	total	Cadmium	UJ	Total < Dissolved
IWSW17-017	dissolved	Cadmium	U	laboratory blank contamination (0.00021 B mg/L); equipment blank contamination (0.00053 B mg/L); result between SDL and SQL; Total < Dissolved
IWSW17-017	total	Chromium	J	large difference between field duplicate pair (> 2 x MQL)
IWSW17-017	dissolved	Chromium	U	laboratory blank contamination (0.0026 B mg/L)
IWSW17-017	total	Copper	NS	Total < Dissolved; another analysis selected based on QC and the reported result
IWSW17-017	dissolved	Copper	NS	result between SDL and SQL; Total < Dissolved; another analysis selected based on QC and the reported result
IWSW17-017	total	Lead	NS	Total < Dissolved; another analysis selected based on QC and the reported result
IWSW17-017	dissolved	Lead	NS	laboratory blank contamination (0.0013 B mg/L); result between SDL and SQL; Total < Dissolved; another analysis selected based on QC and the reported result
IWSW17-017	dissolved	Manganese	J	result between SDL and SQL
IWSW17-017	total	Nickel	UJ	Total < Dissolved
IWSW17-017	dissolved	Nickel	J	result between SDL and SQL; Total < Dissolved
IWSW17-017	total	Selenium	UJ	Total < Dissolved
IWSW17-017	dissolved	Selenium	J	result between SDL and SQL; Total < Dissolved
IWSW17-017	total	Silver	J	result between SDL and SQL; Total < Dissolved
IWSW17-017	dissolved	Silver	U	laboratory blank contamination (0.0042 B mg/L); Total < Dissolved
IWSW17-017	total	Strontium	J	Total < Dissolved
IWSW17-017	dissolved	Strontium	J	Total < Dissolved
IWSW17-017	total	Titanium	J	result between SDL and SQL; Total < Dissolved
IWSW17-017	dissolved	Titanium	U	laboratory blank contamination (0.0008 B mg/L); result between SDL and SQL; Total < Dissolved
IWSW17-017	total	Vanadium	J	result between SDL and SQL
IWSW17-017	dissolved	Vanadium	U	laboratory blank contamination (0.0029 B mg/L); result between SDL and SQL
IWSW17-017		1,1,2,2-Tetrachloroethane	UJ	calibration drift (%D= -23)
IWSW17-017		1,2-Dibromo-3-chloropropane	UJ	calibration drift (%D= -22)
IWSW17-017		2-Chloroethylvinyl ether	R	poor calibration fit (%RSD=26); low ave MS/MSD recovery (0%); analyte destroyed by preservative for aqueous samples
IWSW17-017		Acrolein	UJ	low instrument response (low RRF); elevate SDL for NDs 20x (SW); calibration drift (%D= -21)
IWSW17-017		Acrylonitrile	J	result between SDL and SQL
IWSW17-017		Chloroethane	UJ	low instrument response (low RRF); elevate SDL for NDs 20x (SW)

QUALIFIED DATA TABLE

IWSW17-017		Methylene chloride	U	laboratory blank contamination (1.65 J ug/L); equipment blank contamination (2.99 JB ug/L); trip blank contamination (3.06 JB ug/L); result between SDL and SQL
IWSW17-017		n-Butyl alcohol	UJ	low instrument response (low RRF); elevate SDL for NDs 2x (SW) or 50x (Sed)
IWSW17-017		Vinyl chloride	UJ	poor calibration fit (%RSD=16)
IWSW17-017		2,4,5-Trichlorophenol	UJ	low acidic SU recovery (44%); low acidic SU recovery (42%)
IWSW17-017		2,4,6-Trichlorophenol	UJ	low acidic SU recovery (44%); low acidic SU recovery (42%)
IWSW17-017		2,4-Dichlorophenol	UJ	low acidic SU recovery (44%); low acidic SU recovery (42%)
IWSW17-017		2,4-Dimethylphenol	UJ	low acidic SU recovery (44%); low acidic SU recovery (42%)
IWSW17-017		2,4-Dinitrophenol	UJ	low acidic SU recovery (44%); low acidic SU recovery (42%)
IWSW17-017		2-Chlorophenol	UJ	low acidic SU recovery (44%); low acidic SU recovery (42%)
IWSW17-017		2-Methylnaphthalene	UJ	low ave LCS/LCSD recovery (57.5%)
IWSW17-017		2-Nitrophenol	UJ	low acidic SU recovery (44%); low acidic SU recovery (42%)
IWSW17-017		4,6-Dinitro-2-methylphenol	UJ	low acidic SU recovery (44%); low acidic SU recovery (42%)
IWSW17-017		4-Chloro-3-methylphenol	UJ	low acidic SU recovery (44%); low acidic SU recovery (42%)
IWSW17-017		4-Nitrophenol	UJ	low ave LCS/LCSD recovery (33%); low ave MS/MSD recovery (33.5%); low acidic SU recovery (44%); low acidic SU recovery (42%)
IWSW17-017		Aniline	UJ	low ave LCS/LCSD recovery (58%)
IWSW17-017		Benzidine	UJ	calibration drift (%D= -36); extremely low ave LCS/LCSD recovery (8.5%) but high ave MS/MSD recovery (180.5%)
IWSW17-017		Benzoic acid	R	extremely low LCSD recovery (9%); low ave LCS/LCSD recovery (11.5%); low ave MS/MSD recovery (20.5%)
IWSW17-017		Bis(2-Ethylhexyl)phthalate	U	equipment blank contamination (0.75 J ug/L); result between SDL and SQL
IWSW17-017		Caprolactam	UJ	low ave LCS/LCSD recovery (29%); low ave MS/MSD recovery (27.5%)
IWSW17-017		Di-n-butyl phthalate	U	laboratory blank contamination (0.754 J ug/L); result between SDL and SQL
IWSW17-017		Hexachlorocyclopentadiene	UJ	low ave LCS/LCSD recovery (41.5%); low ave MS/MSD recovery (48%)
IWSW17-017		Hexachloroethane	UJ	low ave LCS/LCSD recovery (48%); low ave MS/MSD recovery (48%)
IWSW17-017		Indeno(1,2,3-cd)pyrene	UJ	calibration drift (%D= -30)
IWSW17-017		m,p-Cresol	UJ	low acidic SU recovery (44%); low acidic SU recovery (42%)
IWSW17-017		n-Nitrosodimethylamine	UJ	low ave LCS/LCSD recovery (53%); low ave MS/MSD recovery (43.5%)
IWSW17-017		o-Cresol	UJ	low acidic SU recovery (44%); low acidic SU recovery (42%)
IWSW17-017		Pentachlorophenol	UJ	low acidic SU recovery (44%); low acidic SU recovery (42%)
IWSW17-017		Phenol	UJ	poor calibration fit (%RSD=20); low ave LCS/LCSD recovery (35.5%); low ave MS/MSD recovery (35%); low acidic SU recovery (44%); low acidic SU recovery (42%)
IWSW17-017		Pyridine	UJ	poor calibration fit (%RSD=16); low ave LCS/LCSD recovery (25.5%); low ave MS/MSD recovery (43.5%)
IWSW18-018	total	Aluminum	J	result between SDL and SQL
IWSW18-018	total	Antimony	UJ	Total < Dissolved
IWSW18-018	dissolved	Antimony	U	laboratory blank contamination (0.0049 B mg/L); result between SDL and SQL; Total < Dissolved

QUALIFIED DATA TABLE

IWSW18-018	total	Arsenic	NS	Total < Dissolved; another analysis selected based on QC and the reported result
IWSW18-018	dissolved	Arsenic	NS	result between SDL and SQL; Total < Dissolved; another analysis selected based on QC and the reported result
IWSW18-018	total	Barium	J	result between SDL and SQL
IWSW18-018	dissolved	Barium	J	result between SDL and SQL
IWSW18-018	total	Boron	J	result between SDL and SQL
IWSW18-018	dissolved	Boron	J	result between SDL and SQL
IWSW18-018	total	Cadmium	UJ	Total < Dissolved
IWSW18-018	dissolved	Cadmium	U	laboratory blank contamination (0.00021 B mg/L); equipment blank contamination (0.00053 B mg/L); result between SDL and SQL; Total < Dissolved
IWSW18-018	total	Chromium	J	large difference between field duplicate pair (> 2 x MQL)
IWSW18-018	dissolved	Chromium	U	laboratory blank contamination (0.0026 B mg/L); result between SDL and SQL
IWSW18-018	total	Copper	NS	Total < Dissolved; another analysis selected based on QC and the reported result
IWSW18-018	dissolved	Copper	NS	result between SDL and SQL; Total < Dissolved; another analysis selected based on QC and the reported result
IWSW18-018	total	Lead	NS	Total < Dissolved; another analysis selected based on QC and the reported result
IWSW18-018	dissolved	Lead	NS	laboratory blank contamination (0.0013 B mg/L); result between SDL and SQL; Total < Dissolved; another analysis selected based on QC and the reported result
IWSW18-018	total	Lithium	J	result between SDL and SQL
IWSW18-018	dissolved	Lithium	J	result between SDL and SQL
IWSW18-018	total	Manganese	J	result between SDL and SQL
IWSW18-018	dissolved	Manganese	J	result between SDL and SQL
IWSW18-018	total	Nickel	UJ	Total < Dissolved
IWSW18-018	dissolved	Nickel	J	result between SDL and SQL; Total < Dissolved
IWSW18-018	total	Selenium	UJ	Total < Dissolved
IWSW18-018	dissolved	Selenium	J	result between SDL and SQL; Total < Dissolved
IWSW18-018	total	Silver	UJ	Total < Dissolved
IWSW18-018	dissolved	Silver	U	laboratory blank contamination (0.0042 B mg/L); Total < Dissolved
IWSW18-018	total	Strontium	J	Total < Dissolved
IWSW18-018	dissolved	Strontium	J	Total < Dissolved
IWSW18-018	total	Titanium	J	result between SDL and SQL; Total < Dissolved
IWSW18-018	dissolved	Titanium	U	laboratory blank contamination (0.0008 B mg/L); result between SDL and SQL; Total < Dissolved
IWSW18-018	total	Vanadium	J	result between SDL and SQL; Total < Dissolved
IWSW18-018	dissolved	Vanadium	U	laboratory blank contamination (0.0029 B mg/L); result between SDL and SQL; Total < Dissolved
IWSW18-018		1,1,2,2-Tetrachloroethane	UJ	calibration drift (%D= -23)
IWSW18-018		1,2-Dibromo-3-chloropropane	UJ	calibration drift (%D= -22)
IWSW18-018		2-Chloroethylvinyl ether	R	poor calibration fit (%RSD=26); low ave MS/MSD recovery (0%); analyte destroyed by preservative for aqueous samples
IWSW18-018		Acetone	U	equipment blank contamination (16 J ug/L); trip blank contamination (2.12 J ug/L); result between SDL and SQL
IWSW18-018		Acrolein	UJ	low instrument response (low RRF); elevate SDL for NDs 20x (SW); calibration drift (%D= -21)
IWSW18-018		Chloroethane	UJ	low instrument response (low RRF); elevate SDL for NDs 20x (SW)
IWSW18-018		Methylene chloride	U	laboratory blank contamination (1.65 J ug/L); equipment blank contamination (2.99 JB ug/L); trip blank contamination (3.06 JB ug/L); result between SDL and SQL

QUALIFIED DATA TABLE

IWSW18-018		n-Butyl alcohol	UJ	low instrument response (low RRF); elevate SDL for NDs 2x (SW) or 50x (Sed)
IWSW18-018		Vinyl chloride	UJ	poor calibration fit (%RSD=16)
IWSW18-018		2,4,5-Trichlorophenol	UJ	low acidic SU recovery (41%); low acidic SU recovery (39%)
IWSW18-018		2,4,6-Trichlorophenol	UJ	low acidic SU recovery (41%); low acidic SU recovery (39%)
IWSW18-018		2,4-Dichlorophenol	UJ	low acidic SU recovery (41%); low acidic SU recovery (39%)
IWSW18-018		2,4-Dimethylphenol	UJ	low acidic SU recovery (41%); low acidic SU recovery (39%)
IWSW18-018		2,4-Dinitrophenol	UJ	low acidic SU recovery (41%); low acidic SU recovery (39%)
IWSW18-018		2-Chlorophenol	UJ	low acidic SU recovery (41%); low acidic SU recovery (39%)
IWSW18-018		2-Methylnaphthalene	UJ	low ave LCS/LCSD recovery (57.5%)
IWSW18-018		2-Nitrophenol	UJ	low acidic SU recovery (41%); low acidic SU recovery (39%)
IWSW18-018		4,6-Dinitro-2-methylphenol	UJ	low acidic SU recovery (41%); low acidic SU recovery (39%)
IWSW18-018		4-Chloro-3-methylphenol	UJ	low acidic SU recovery (41%); low acidic SU recovery (39%)
IWSW18-018		4-Nitrophenol	UJ	low ave LCS/LCSD recovery (33%); low ave MS/MSD recovery (33.5%); low acidic SU recovery (41%); low acidic SU recovery (39%)
IWSW18-018		Aniline	UJ	low ave LCS/LCSD recovery (58%)
IWSW18-018		Benzidine	UJ	calibration drift (%D= -36); extremely low ave LCS/LCSD recovery (8.5%) but high ave MS/MSD recovery (180.5%)
IWSW18-018		Benzoic acid	R	extremely low LCSD recovery (9%); low ave LCS/LCSD recovery (11.5%); low ave MS/MSD recovery (20.5%)
IWSW18-018		Caprolactam	UJ	low ave LCS/LCSD recovery (29%); low ave MS/MSD recovery (27.5%)
IWSW18-018		Hexachlorocyclopentadiene	UJ	low ave LCS/LCSD recovery (41.5%); low ave MS/MSD recovery (48%)
IWSW18-018		Hexachloroethane	UJ	low ave LCS/LCSD recovery (48%); low ave MS/MSD recovery (48%)
IWSW18-018		Indeno(1,2,3-cd)pyrene	UJ	calibration drift (%D= -30)
IWSW18-018		m,p-Cresol	UJ	low acidic SU recovery (41%); low acidic SU recovery (39%)
IWSW18-018		n-Nitrosodimethylamine	UJ	low ave LCS/LCSD recovery (53%); low ave MS/MSD recovery (43.5%)
IWSW18-018		o-Cresol	UJ	low acidic SU recovery (41%); low acidic SU recovery (39%)
IWSW18-018		Pentachlorophenol	UJ	low acidic SU recovery (41%); low acidic SU recovery (39%)
IWSW18-018		Phenol	UJ	poor calibration fit (%RSD=20); low ave LCS/LCSD recovery (35.5%); low ave MS/MSD recovery (35%); low acidic SU recovery (41%); low acidic SU recovery (39%)
IWSW18-018		Pyridine	UJ	poor calibration fit (%RSD=16); low ave LCS/LCSD recovery (25.5%); low ave MS/MSD recovery (43.5%)
IWSW18-035	total	Aluminum	J	result between SDL and SQL
IWSW18-035	total	Antimony	UJ	Total < Dissolved
IWSW18-035	dissolved	Antimony	U	laboratory blank contamination (0.0049 B mg/L); result between SDL and SQL; Total < Dissolved
IWSW18-035	total	Arsenic	NS	Total < Dissolved; another analysis selected based on QC and the reported result
IWSW18-035	dissolved	Arsenic	NS	result between SDL and SQL; Total < Dissolved; another analysis selected based on QC and the reported result
IWSW18-035	total	Barium	J	Total < Dissolved
IWSW18-035	dissolved	Barium	J	Total < Dissolved
IWSW18-035	total	Boron	J	Total < Dissolved
IWSW18-035	dissolved	Boron	J	Total < Dissolved

QUALIFIED DATA TABLE

IWSW18-035	total	Cadmium	UJ	Total < Dissolved
IWSW18-035	dissolved	Cadmium	U	laboratory blank contamination (0.00021 B mg/L); equipment blank contamination (0.00053 B mg/L); result between SDL and SQL; Total < Dissolved
IWSW18-035	total	Chromium	J	large difference between field duplicate pair (> 2 x MQL)
IWSW18-035	dissolved	Chromium	U	laboratory blank contamination (0.0026 B mg/L); result between SDL and SQL
IWSW18-035	total	Copper	NS	Total < Dissolved; another analysis selected based on QC and the reported result
IWSW18-035	dissolved	Copper	NS	result between SDL and SQL; Total < Dissolved; another analysis selected based on QC and the reported result
IWSW18-035	total	Lead	NS	another analysis selected based on QC and the reported result
IWSW18-035	dissolved	Lead	NS	another analysis selected based on QC and the reported result
IWSW18-035	dissolved	Manganese	J	result between SDL and SQL
IWSW18-035	total	Nickel	UJ	Total < Dissolved
IWSW18-035	dissolved	Nickel	J	result between SDL and SQL; Total < Dissolved
IWSW18-035	total	Selenium	UJ	Total < Dissolved
IWSW18-035	dissolved	Selenium	J	result between SDL and SQL; Total < Dissolved
IWSW18-035	total	Silver	J	result between SDL and SQL; Total < Dissolved
IWSW18-035	dissolved	Silver	U	laboratory blank contamination (0.0042 B mg/L); Total < Dissolved
IWSW18-035	total	Strontium	J	Total < Dissolved
IWSW18-035	dissolved	Strontium	J	Total < Dissolved
IWSW18-035	total	Titanium	J	result between SDL and SQL; Total < Dissolved
IWSW18-035	dissolved	Titanium	U	laboratory blank contamination (0.0008 B mg/L); result between SDL and SQL; Total < Dissolved
IWSW18-035	total	Vanadium	J	result between SDL and SQL
IWSW18-035	dissolved	Vanadium	U	laboratory blank contamination (0.0029 B mg/L); result between SDL and SQL
IWSW18-035		1,1,2,2-Tetrachloroethane	UJ	calibration drift (%D= -23)
IWSW18-035		1,2-Dibromo-3-chloropropane	J	calibration drift (%D= -22); result between SDL and SQL
IWSW18-035		2-Butanone	U	equipment blank contamination (1.82 J ug/L); result between SDL and SQL
IWSW18-035		2-Chloroethylvinyl ether	R	poor calibration fit (%RSD=26); low ave MS/MSD recovery (0%); analyte destroyed by preservative for aqueous samples
IWSW18-035		2-Hexanone	J	result between SDL and SQL
IWSW18-035		4-Methyl-2-pentanone	J	result between SDL and SQL
IWSW18-035		Acetone	U	equipment blank contamination (16 J ug/L); trip blank contamination (2.12 J ug/L); result between SDL and SQL
IWSW18-035		Acrolein	UJ	low instrument response (low RRF); elevate SDL for NDs 20x (SW); calibration drift (%D= -21)
IWSW18-035		Acrylonitrile	J	result between SDL and SQL
IWSW18-035		Chloroethane	UJ	low instrument response (low RRF); elevate SDL for NDs 20x (SW)
IWSW18-035		Methyl Acetate	J	result between SDL and SQL
IWSW18-035		Methylene chloride	U	laboratory blank contamination (1.65 J ug/L); equipment blank contamination (2.99 JB ug/L); trip blank contamination (3.06 JB ug/L); result between SDL and SQL
IWSW18-035		Naphthalene	U	equipment blank contamination (0.562 J ug/L); trip blank contamination (0.348 J ug/L); result between SDL and SQL
IWSW18-035		n-Butyl alcohol	UJ	low instrument response (low RRF); elevate SDL for NDs 2x (SW) or 50x (Sed)
IWSW18-035		Vinyl chloride	UJ	poor calibration fit (%RSD=16)

QUALIFIED DATA TABLE

IWSW18-035		2,4,5-Trichlorophenol	UJ	low acidic SU recovery (40%); low acidic SU recovery (41%)
IWSW18-035		2,4,6-Trichlorophenol	UJ	low acidic SU recovery (40%); low acidic SU recovery (41%)
IWSW18-035		2,4-Dichlorophenol	UJ	low acidic SU recovery (40%); low acidic SU recovery (41%)
IWSW18-035		2,4-Dimethylphenol	UJ	low acidic SU recovery (40%); low acidic SU recovery (41%)
IWSW18-035		2,4-Dinitrophenol	UJ	low acidic SU recovery (40%); low acidic SU recovery (41%)
IWSW18-035		2-Chlorophenol	UJ	low acidic SU recovery (40%); low acidic SU recovery (41%)
IWSW18-035		2-Methylnaphthalene	UJ	low ave LCS/LCSD recovery (57.5%)
IWSW18-035		2-Nitrophenol	UJ	low acidic SU recovery (40%); low acidic SU recovery (41%)
IWSW18-035		4,6-Dinitro-2-methylphenol	UJ	low acidic SU recovery (40%); low acidic SU recovery (41%)
IWSW18-035		4-Chloro-3-methylphenol	UJ	low acidic SU recovery (40%); low acidic SU recovery (41%)
IWSW18-035		4-Nitrophenol	UJ	low ave LCS/LCSD recovery (33%); low ave MS/MSD recovery (33.5%); low acidic SU recovery (40%); low acidic SU recovery (41%)
IWSW18-035		Aniline	UJ	low ave LCS/LCSD recovery (58%)
IWSW18-035		Benzidine	UJ	calibration drift (%D= -36); extremely low ave LCS/LCSD recovery (8.5%) but high ave MS/MSD recovery (180.5%)
IWSW18-035		Benzoic acid	R	extremely low LCSD recovery (9%); low ave LCS/LCSD recovery (11.5%); low ave MS/MSD recovery (20.5%)
IWSW18-035		Bis(2-Ethylhexyl)phthalate	U	equipment blank contamination (0.75 J ug/L); result between SDL and SQL
IWSW18-035		Caprolactam	UJ	low ave LCS/LCSD recovery (29%); low ave MS/MSD recovery (27.5%)
IWSW18-035		Hexachlorocyclopentadiene	UJ	low ave LCS/LCSD recovery (41.5%); low ave MS/MSD recovery (48%)
IWSW18-035		Hexachloroethane	UJ	low ave LCS/LCSD recovery (48%); low ave MS/MSD recovery (48%)
IWSW18-035		Indeno(1,2,3-cd)pyrene	UJ	calibration drift (%D= -30)
IWSW18-035		m,p-Cresol	UJ	low acidic SU recovery (40%); low acidic SU recovery (41%)
IWSW18-035		n-Nitrosodimethylamine	UJ	low ave LCS/LCSD recovery (53%); low ave MS/MSD recovery (43.5%)
IWSW18-035		o-Cresol	UJ	low acidic SU recovery (40%); low acidic SU recovery (41%)
IWSW18-035		Pentachlorophenol	UJ	low acidic SU recovery (40%); low acidic SU recovery (41%)
IWSW18-035		Phenol	UJ	poor calibration fit (%RSD=20); low ave LCS/LCSD recovery (35.5%); low ave MS/MSD recovery (35%); low acidic SU recovery (40%); low acidic SU recovery (41%)
IWSW18-035		Pyridine	UJ	poor calibration fit (%RSD=16); low ave LCS/LCSD recovery (25.5%); low ave MS/MSD recovery (43.5%)
IWSW18-035 (RE)	total	Copper	J	result is between SDL and SQL
IWSW19-019	total	Aluminum	J	result between SDL and SQL
IWSW19-019	total	Antimony	UJ	Total < Dissolved
IWSW19-019	dissolved	Antimony	U	laboratory blank contamination (0.0049 B mg/L); result between SDL and SQL; Total < Dissolved
IWSW19-019	total	Arsenic	NS	Total < Dissolved; another analysis selected based on QC and the reported result
IWSW19-019	dissolved	Arsenic	NS	result between SDL and SQL; Total < Dissolved; another analysis selected based on QC and the reported result
IWSW19-019	total	Barium	J	Total < Dissolved
IWSW19-019	dissolved	Barium	J	Total < Dissolved
IWSW19-019	total	Boron	J	Total < Dissolved

QUALIFIED DATA TABLE

IWSW19-019	dissolved	Boron	J	Total < Dissolved
IWSW19-019	total	Cadmium	UJ	Total < Dissolved
IWSW19-019	dissolved	Cadmium	U	laboratory blank contamination (0.00021 B mg/L); equipment blank contamination (0.00053 B mg/L); result between SDL and SQL; Total < Dissolved
IWSW19-019	total	Chromium	J	large difference between field duplicate pair (> 2 x MQL)
IWSW19-019	dissolved	Chromium	U	laboratory blank contamination (0.0026 B mg/L); result between SDL and SQL
IWSW19-019	total	Copper	NS	Total < Dissolved; another analysis selected based on QC and the reported result
IWSW19-019	dissolved	Copper	NS	result between SDL and SQL; Total < Dissolved; another analysis selected based on QC and the reported result
IWSW19-019	total	Lead	NS	another analysis selected based on QC and the reported result
IWSW19-019	dissolved	Lead	NS	another analysis selected based on QC and the reported result
IWSW19-019	dissolved	Manganese	J	result between SDL and SQL
IWSW19-019	total	Nickel	UJ	Total < Dissolved
IWSW19-019	dissolved	Nickel	J	result between SDL and SQL; Total < Dissolved
IWSW19-019	total	Selenium	UJ	Total < Dissolved
IWSW19-019	dissolved	Selenium	J	result between SDL and SQL; Total < Dissolved
IWSW19-019	total	Silver	J	result between SDL and SQL; Total < Dissolved
IWSW19-019	dissolved	Silver	U	laboratory blank contamination (0.0042 B mg/L); Total < Dissolved
IWSW19-019	total	Strontium	J	Total < Dissolved
IWSW19-019	dissolved	Strontium	J	Total < Dissolved
IWSW19-019	total	Titanium	J	result between SDL and SQL; Total < Dissolved
IWSW19-019	dissolved	Titanium	U	laboratory blank contamination (0.0008 B mg/L); result between SDL and SQL; Total < Dissolved
IWSW19-019	total	Vanadium	J	result between SDL and SQL
IWSW19-019	dissolved	Vanadium	U	laboratory blank contamination (0.0029 B mg/L); result between SDL and SQL
IWSW19-019		1,1,2,2-Tetrachloroethane	UJ	calibration drift (%D= -23)
IWSW19-019		1,2-Dibromo-3-chloropropane	UJ	calibration drift (%D= -22)
IWSW19-019		2-Chloroethylvinyl ether	R	poor calibration fit (%RSD=26); low ave MS/MSD recovery (0%); analyte destroyed by preservative for aqueous samples
IWSW19-019		Acrolein	UJ	low instrument response (low RRF); elevate SDL for NDs 20x (SW); calibration drift (%D= -21)
IWSW19-019		Chloroethane	UJ	low instrument response (low RRF); elevate SDL for NDs 20x (SW)
IWSW19-019		Methylene chloride	U	laboratory blank contamination (1.65 J ug/L); equipment blank contamination (2.99 JB ug/L); trip blank contamination (3.06 JB ug/L); result between SDL and SQL
IWSW19-019		n-Butyl alcohol	UJ	low instrument response (low RRF); elevate SDL for NDs 2x (SW) or 50x (Sed)
IWSW19-019		Vinyl chloride	UJ	poor calibration fit (%RSD=16)
IWSW19-019		2,4,5-Trichlorophenol	UJ	low acidic SU recovery (54%); low acidic SU recovery (56%)
IWSW19-019		2,4,6-Trichlorophenol	UJ	low acidic SU recovery (54%); low acidic SU recovery (56%)
IWSW19-019		2,4-Dichlorophenol	UJ	low acidic SU recovery (54%); low acidic SU recovery (56%)
IWSW19-019		2,4-Dimethylphenol	UJ	low acidic SU recovery (54%); low acidic SU recovery (56%)
IWSW19-019		2,4-Dinitrophenol	UJ	low acidic SU recovery (54%); low acidic SU recovery (56%)
IWSW19-019		2-Chlorophenol	UJ	low acidic SU recovery (54%); low acidic SU recovery (56%)

QUALIFIED DATA TABLE

IWSW19-019		2-Methylnaphthalene	UJ	low ave LCS/LCSD recovery (57.5%)
IWSW19-019		2-Nitrophenol	UJ	low acidic SU recovery (54%); low acidic SU recovery (56%)
IWSW19-019		4,6-Dinitro-2-methylphenol	UJ	low acidic SU recovery (54%); low acidic SU recovery (56%)
IWSW19-019		4-Chloro-3-methylphenol	UJ	low acidic SU recovery (54%); low acidic SU recovery (56%)
IWSW19-019		4-Nitrophenol	UJ	low ave LCS/LCSD recovery (33%); low ave MS/MSD recovery (33.5%); low acidic SU recovery (54%); low acidic SU recovery (56%)
IWSW19-019		Aniline	UJ	low ave LCS/LCSD recovery (58%)
IWSW19-019		Benzidine	UJ	calibration drift (%D= -36); extremely low ave LCS/LCSD recovery (8.5%) but high ave MS/MSD recovery (180.5%)
IWSW19-019		Benzoic acid	R	extremely low LCSD recovery (9%); low ave LCS/LCSD recovery (11.5%); low ave MS/MSD recovery (20.5%)
IWSW19-019		Bis(2-Ethylhexyl)phthalate	U	equipment blank contamination (0.75 J ug/L); result between SDL and SQL
IWSW19-019		Caprolactam	UJ	low ave LCS/LCSD recovery (29%); low ave MS/MSD recovery (27.5%)
IWSW19-019		Hexachlorocyclopentadiene	UJ	low ave LCS/LCSD recovery (41.5%); low ave MS/MSD recovery (48%)
IWSW19-019		Hexachloroethane	UJ	low ave LCS/LCSD recovery (48%); low ave MS/MSD recovery (48%)
IWSW19-019		Indeno(1,2,3-cd)pyrene	UJ	calibration drift (%D= -30)
IWSW19-019		m,p-Cresol	UJ	low acidic SU recovery (54%); low acidic SU recovery (56%)
IWSW19-019		n-Nitrosodimethylamine	UJ	low ave LCS/LCSD recovery (53%); low ave MS/MSD recovery (43.5%)
IWSW19-019		o-Cresol	UJ	low acidic SU recovery (54%); low acidic SU recovery (56%)
IWSW19-019		Pentachlorophenol	UJ	low acidic SU recovery (54%); low acidic SU recovery (56%)
IWSW19-019		Phenol	UJ	poor calibration fit (%RSD=20); low ave LCS/LCSD recovery (35.5%); low ave MS/MSD recovery (35%); low acidic SU recovery (54%); low acidic SU recovery (56%)
IWSW19-019		Pyridine	UJ	poor calibration fit (%RSD=16); low ave LCS/LCSD recovery (25.5%); low ave MS/MSD recovery (43.5%)
IWSW19-019 (RE)	total	Copper	J	result is between SDL and SQL
IWSW20-020	total	Aluminum	J	result between SDL and SQL
IWSW20-020	total	Antimony	UJ	Total < Dissolved
IWSW20-020	dissolved	Antimony	U	laboratory blank contamination (0.0049 B mg/L); result between SDL and SQL; Total < Dissolved
IWSW20-020	total	Arsenic	NS	Total < Dissolved; another analysis selected based on QC and the reported result
IWSW20-020	dissolved	Arsenic	NS	result between SDL and SQL; Total < Dissolved; another analysis selected based on QC and the reported result
IWSW20-020	total	Barium	J	Total < Dissolved
IWSW20-020	dissolved	Barium	J	Total < Dissolved
IWSW20-020	total	Boron	J	Total < Dissolved
IWSW20-020	dissolved	Boron	J	Total < Dissolved
IWSW20-020	total	Cadmium	UJ	Total < Dissolved
IWSW20-020	dissolved	Cadmium	U	laboratory blank contamination (0.00021 B mg/L); equipment blank contamination (0.00053 B mg/L); result between SDL and SQL; Total < Dissolved
IWSW20-020	total	Chromium	J	large difference between field duplicate pair (> 2 x MQL)
IWSW20-020	dissolved	Chromium	U	laboratory blank contamination (0.0026 B mg/L); result between SDL and SQL
IWSW20-020	total	Cobalt	UJ	Total < Dissolved
IWSW20-020	dissolved	Cobalt	U	equipment blank contamination (0.00057 B mg/L); result between SDL and SQL; Total < Dissolved

QUALIFIED DATA TABLE

IWSW20-020	total	Copper	NS	Total < Dissolved; another analysis selected based on QC and the reported result
IWSW20-020	dissolved	Copper	NS	result between SDL and SQL; Total < Dissolved; another analysis selected based on QC and the reported result
IWSW20-020	total	Lead	NS	another analysis selected based on QC and the reported result
IWSW20-020	dissolved	Lead	NS	another analysis selected based on QC and the reported result
IWSW20-020	dissolved	Manganese	J	result between SDL and SQL
IWSW20-020	total	Nickel	UJ	Total < Dissolved
IWSW20-020	dissolved	Nickel	J	result between SDL and SQL; Total < Dissolved
IWSW20-020	total	Selenium	UJ	Total < Dissolved
IWSW20-020	dissolved	Selenium	J	result between SDL and SQL; Total < Dissolved
IWSW20-020	total	Silver	J	result between SDL and SQL; Total < Dissolved
IWSW20-020	dissolved	Silver	U	laboratory blank contamination (0.0042 B mg/L); result between SDL and SQL; Total < Dissolved
IWSW20-020	total	Strontium	J	Total < Dissolved
IWSW20-020	dissolved	Strontium	J	Total < Dissolved
IWSW20-020	total	Titanium	J	result between SDL and SQL
IWSW20-020	dissolved	Titanium	U	laboratory blank contamination (0.0008 B mg/L); result between SDL and SQL
IWSW20-020	total	Vanadium	J	result between SDL and SQL
IWSW20-020	dissolved	Vanadium	U	laboratory blank contamination (0.0029 B mg/L); result between SDL and SQL
IWSW20-020		1,1,2,2-Tetrachloroethane	UJ	calibration drift (%D= -23)
IWSW20-020		1,2-Dibromo-3-chloropropane	UJ	calibration drift (%D= -22)
IWSW20-020		2-Chloroethylvinyl ether	R	poor calibration fit (%RSD=26); low ave MS/MSD recovery (0%); analyte destroyed by preservative for aqueous samples
IWSW20-020		Acrolein	UJ	low instrument response (low RRF); elevate SDL for NDs 20x (SW); calibration drift (%D= -21)
IWSW20-020		Chloroethane	UJ	low instrument response (low RRF); elevate SDL for NDs 20x (SW)
IWSW20-020		Methylene chloride	U	laboratory blank contamination (1.65 J ug/L); equipment blank contamination (2.99 JB ug/L); trip blank contamination (3.06 JB ug/L); result between SDL and SQL
IWSW20-020		n-Butyl alcohol	UJ	low instrument response (low RRF); elevate SDL for NDs 2x (SW) or 50x (Sed)
IWSW20-020		Vinyl chloride	UJ	poor calibration fit (%RSD=16)
IWSW20-020		2,4,5-Trichlorophenol	UJ	low acidic SU recovery (39%); low acidic SU recovery (41%)
IWSW20-020		2,4,6-Trichlorophenol	UJ	low acidic SU recovery (39%); low acidic SU recovery (41%)
IWSW20-020		2,4-Dichlorophenol	UJ	low acidic SU recovery (39%); low acidic SU recovery (41%)
IWSW20-020		2,4-Dimethylphenol	UJ	low acidic SU recovery (39%); low acidic SU recovery (41%)
IWSW20-020		2,4-Dinitrophenol	UJ	low acidic SU recovery (39%); low acidic SU recovery (41%)
IWSW20-020		2-Chlorophenol	UJ	low acidic SU recovery (39%); low acidic SU recovery (41%)
IWSW20-020		2-Methylnaphthalene	UJ	low ave LCS/LCSD recovery (57.5%)
IWSW20-020		2-Nitrophenol	UJ	low acidic SU recovery (39%); low acidic SU recovery (41%)
IWSW20-020		4,6-Dinitro-2-methylphenol	UJ	low acidic SU recovery (39%); low acidic SU recovery (41%)
IWSW20-020		4-Chloro-3-methylphenol	UJ	low acidic SU recovery (39%); low acidic SU recovery (41%)

QUALIFIED DATA TABLE

IWSW20-020		4-Nitrophenol	UJ	low ave LCS/LCSD recovery (33%); low ave MS/MSD recovery (33.5%); low acidic SU recovery (39%); low acidic SU recovery (41%)
IWSW20-020		Aniline	UJ	low ave LCS/LCSD recovery (58%)
IWSW20-020		Benzidine	UJ	calibration drift (%D= -36); extremely low ave LCS/LCSD recovery (8.5%) but high ave MS/MSD recovery (180.5%)
IWSW20-020		Benzoic acid	R	extremely low LCSD recovery (9%); low ave LCS/LCSD recovery (11.5%); low ave MS/MSD recovery (20.5%)
IWSW20-020		Caprolactam	UJ	low ave LCS/LCSD recovery (29%); low ave MS/MSD recovery (27.5%)
IWSW20-020		Di-n-butyl phthalate	U	laboratory blank contamination (0.754 J ug/L); result between SDL and SQL
IWSW20-020		Hexachlorocyclopentadiene	UJ	low ave LCS/LCSD recovery (41.5%); low ave MS/MSD recovery (48%)
IWSW20-020		Hexachloroethane	UJ	low ave LCS/LCSD recovery (48%); low ave MS/MSD recovery (48%)
IWSW20-020		Indeno(1,2,3-cd)pyrene	UJ	calibration drift (%D= -30)
IWSW20-020		m,p-Cresol	UJ	low acidic SU recovery (39%); low acidic SU recovery (41%)
IWSW20-020		n-Nitrosodimethylamine	UJ	low ave LCS/LCSD recovery (53%); low ave MS/MSD recovery (43.5%)
IWSW20-020		o-Cresol	UJ	low acidic SU recovery (39%); low acidic SU recovery (41%)
IWSW20-020		Pentachlorophenol	UJ	low acidic SU recovery (39%); low acidic SU recovery (41%)
IWSW20-020		Phenol	UJ	poor calibration fit (%RSD=20); low ave LCS/LCSD recovery (35.5%); low ave MS/MSD recovery (35%); low acidic SU recovery (39%); low acidic SU recovery (41%)
IWSW20-020		Pyridine	UJ	poor calibration fit (%RSD=16); low ave LCS/LCSD recovery (25.5%); low ave MS/MSD recovery (43.5%)
IWSW20-020 (RE)	total	Copper	J	result is between SDL and SQL

ATTACHMENT 1

Sample_ID	Lab_Sample_ID	Test_type_code	Analytical_Method	Total_or_dissolved	Matrix	Parameter	Valid_qualifier	Result_type_code	Prep_date	Prep_time	Analysis_Date	Analysis_Time	QC_comment	QC_Batch
MB for HBN 326970 [DIGM/12113]	386173	LB	SW6010B	dissolved	W	Antimony	U to RRs < 5 x BlankEquivConc	TRG	7/2/06	12:10	7/8/06	11:58	laboratory blank contamination (0.0049 B mg/L)	
IWSW17-017	20606301701	SMP	SW6010B	total	W	Antimony	J / UJ to RRs/NDs	TRG	7/2/06	12:10	7/13/06	13:24	Total < Dissolved	
IWSW17-017	20606301701	SMP	SW6010B	dissolved	W	Antimony	J / UJ to RRs/NDs	TRG	7/2/06	12:10	7/8/06	12:50	Total < Dissolved	
IWSW18-018	20606301702	SMP	SW6010B	total	W	Antimony	J / UJ to RRs/NDs	TRG	7/2/06	12:10	7/13/06	11:56	Total < Dissolved	
IWSW18-018	20606301702	SMP	SW6010B	dissolved	W	Antimony	J / UJ to RRs/NDs	TRG	7/2/06	12:10	7/8/06	12:13	Total < Dissolved	
IWSW18-035	20606301703	SMP	SW6010B	total	W	Antimony	J / UJ to RRs/NDs	TRG	7/2/06	12:10	7/13/06	13:30	Total < Dissolved	
IWSW18-035	20606301703	SMP	SW6010B	dissolved	W	Antimony	J / UJ to RRs/NDs	TRG	7/2/06	12:10	7/8/06	12:57	Total < Dissolved	
IWSW19-019	20606301706	SMP	SW6010B	total	W	Antimony	J / UJ to RRs/NDs	TRG	7/2/06	12:10	7/13/06	13:37	Total < Dissolved	
IWSW19-019	20606301706	SMP	SW6010B	dissolved	W	Antimony	J / UJ to RRs/NDs	TRG	7/2/06	12:10	7/8/06	13:04	Total < Dissolved	
IWSW20-020	20606301707	SMP	SW6010B	total	W	Antimony	J / UJ to RRs/NDs	TRG	7/2/06	12:10	7/13/06	13:44	Total < Dissolved	
IWSW20-020	20606301707	SMP	SW6010B	dissolved	W	Antimony	J / UJ to RRs/NDs	TRG	7/2/06	12:10	7/8/06	13:31	Total < Dissolved	
MB for HBN 331091 [DIGM/12475]	402645	LB	SW6010B	total	W	Arsenic	U to RRs < 5 x BlankEquivConc (none)	TRG	7/2/2006	12:10	8/22/2006	13:24	laboratory blank contamination (0.0076 B mg/L)	
IWSW17-017	20606301701	SMP	SW6010B	total	W	Arsenic	J / UJ to RRs/NDs	TRG	7/2/06	12:10	7/13/06	13:24	Total < Dissolved	
IWSW17-017	20606301701	SMP	SW6010B	dissolved	W	Arsenic	J / UJ to RRs/NDs	TRG	7/2/06	12:10	7/8/06	12:50	Total < Dissolved	
IWSW18-018	20606301702	SMP	SW6010B	total	W	Arsenic	J / UJ to RRs/NDs	TRG	7/2/06	12:10	7/13/06	11:56	Total < Dissolved	
IWSW18-018	20606301702	SMP	SW6010B	dissolved	W	Arsenic	J / UJ to RRs/NDs	TRG	7/2/06	12:10	7/8/06	12:13	Total < Dissolved	
IWSW18-035	20606301703	SMP	SW6010B	total	W	Arsenic	J / UJ to RRs/NDs	TRG	7/2/06	12:10	7/13/06	13:30	Total < Dissolved	
IWSW18-035	20606301703	SMP	SW6010B	dissolved	W	Arsenic	J / UJ to RRs/NDs	TRG	7/2/06	12:10	7/8/06	12:57	Total < Dissolved	
IWSW19-019	20606301706	SMP	SW6010B	total	W	Arsenic	J / UJ to RRs/NDs	TRG	7/2/06	12:10	7/13/06	13:37	Total < Dissolved	

ATTACHMENT 1

IWSW19-019	20606301706	SMP	SW6010B	dissolved	W	Arsenic	J / UJ to RRs/NDs	TRG	7/2/06	12:10	7/8/06	13:04	Total < Dissolved	
IWSW20-020	20606301707	SMP	SW6010B	total	W	Arsenic	J / UJ to RRs/NDs	TRG	7/2/06	12:10	7/13/06	13:44	Total < Dissolved	
IWSW20-020	20606301707	SMP	SW6010B	dissolved	W	Arsenic	J / UJ to RRs/NDs	TRG	7/2/06	12:10	7/8/06	13:31	Total < Dissolved	
IW-040-EB (RE)	20606301717	EQBK	SW6010B	total	W	Arsenic	U to RRs < 5 x BlankEquivConc (none)	TRG	7/2/2006	12:10	8/22/2006	14:09	equipment blank contamination (0.0051 B mg/L)	
IWSW17-017	20606301701	SMP	SW6010B	total	W	Barium	J / UJ to RRs/NDs	TRG	7/2/06	12:10	7/13/06	13:24	Total < Dissolved	
IWSW17-017	20606301701	SMP	SW6010B	dissolved	W	Barium	J / UJ to RRs/NDs	TRG	7/2/06	12:10	7/8/06	12:50	Total < Dissolved	
IWSW18-035	20606301703	SMP	SW6010B	total	W	Barium	J / UJ to RRs/NDs	TRG	7/2/06	12:10	7/13/06	13:30	Total < Dissolved	
IWSW18-035	20606301703	SMP	SW6010B	dissolved	W	Barium	J / UJ to RRs/NDs	TRG	7/2/06	12:10	7/8/06	12:57	Total < Dissolved	
IWSW19-019	20606301706	SMP	SW6010B	total	W	Barium	J / UJ to RRs/NDs	TRG	7/2/06	12:10	7/13/06	13:37	Total < Dissolved	
IWSW19-019	20606301706	SMP	SW6010B	dissolved	W	Barium	J / UJ to RRs/NDs	TRG	7/2/06	12:10	7/8/06	13:04	Total < Dissolved	
IWSW20-020	20606301707	SMP	SW6010B	total	W	Barium	J / UJ to RRs/NDs	TRG	7/2/06	12:10	7/13/06	13:44	Total < Dissolved	
IWSW20-020	20606301707	SMP	SW6010B	dissolved	W	Barium	J / UJ to RRs/NDs	TRG	7/2/06	12:10	7/8/06	13:31	Total < Dissolved	
MB for HBN 326970 [DIGM/12113]	386173	LB	SW6010B	dissolved	W	Boron	U to RRs < 5 x BlankEquivConc (none)	TRG	7/2/06	12:10	7/8/06	11:58	laboratory blank contamination (0.014 B mg/L)	
IWSW17-017	20606301701	SMP	SW6010B	total	W	Boron	J / UJ to RRs/NDs	TRG	7/2/06	12:10	7/13/06	13:24	Total < Dissolved	
IWSW17-017	20606301701	SMP	SW6010B	dissolved	W	Boron	J / UJ to RRs/NDs	TRG	7/2/06	12:10	7/8/06	12:50	Total < Dissolved	
IWSW18-035	20606301703	SMP	SW6010B	total	W	Boron	J / UJ to RRs/NDs	TRG	7/2/06	12:10	7/13/06	13:30	Total < Dissolved	
IWSW18-035	20606301703	SMP	SW6010B	dissolved	W	Boron	J / UJ to RRs/NDs	TRG	7/2/06	12:10	7/8/06	12:57	Total < Dissolved	
IWSW18-018 MSD	20606301705	MSD	SW6010B	dissolved	W	Boron	none (waived due to high parent conc)	TRG	7/2/06	12:10	7/8/06	12:27	high ave MS/MSD recovery (134%)	
IWSW19-019	20606301706	SMP	SW6010B	total	W	Boron	J / UJ to RRs/NDs	TRG	7/2/06	12:10	7/13/06	13:37	Total < Dissolved	
IWSW19-019	20606301706	SMP	SW6010B	dissolved	W	Boron	J / UJ to RRs/NDs	TRG	7/2/06	12:10	7/8/06	13:04	Total < Dissolved	

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IWSW20-020	20606301707	SMP	SW6010B	total	W	Boron	J / UJ to RRs/NDs	TRG	7/2/06	12:10	7/13/06	13:44	Total < Dissolved	
IWSW20-020	20606301707	SMP	SW6010B	dissolved	W	Boron	J / UJ to RRs/NDs	TRG	7/2/06	12:10	7/8/06	13:31	Total < Dissolved	
MB for HBN 326969 [DIGM/12112]	386171	LB	SW6010B	total	W	Cadmium	U to RRs < 5 x BlankEquivConc (none)	TRG	7/2/06	12:10	7/13/06	11:43	laboratory blank contamination (0.00024 B mg/L)	
MB for HBN 326970 [DIGM/12113]	386173	LB	SW6010B	dissolved	W	Cadmium	U to RRs < 5 x BlankEquivConc	TRG	7/2/06	12:10	7/8/06	11:58	laboratory blank contamination (0.00021 B mg/L)	
IWSW17-017	20606301701	SMP	SW6010B	total	W	Cadmium	J / UJ to RRs/NDs	TRG	7/2/06	12:10	7/13/06	13:24	Total < Dissolved	
IWSW17-017	20606301701	SMP	SW6010B	dissolved	W	Cadmium	J / UJ to RRs/NDs	TRG	7/2/06	12:10	7/8/06	12:50	Total < Dissolved	
IWSW18-018	20606301702	SMP	SW6010B	total	W	Cadmium	J / UJ to RRs/NDs	TRG	7/2/06	12:10	7/13/06	11:56	Total < Dissolved	
IWSW18-018	20606301702	SMP	SW6010B	dissolved	W	Cadmium	J / UJ to RRs/NDs	TRG	7/2/06	12:10	7/8/06	12:13	Total < Dissolved	
IWSW18-035	20606301703	SMP	SW6010B	total	W	Cadmium	J / UJ to RRs/NDs	TRG	7/2/06	12:10	7/13/06	13:30	Total < Dissolved	
IWSW18-035	20606301703	SMP	SW6010B	dissolved	W	Cadmium	J / UJ to RRs/NDs	TRG	7/2/06	12:10	7/8/06	12:57	Total < Dissolved	
IWSW19-019	20606301706	SMP	SW6010B	total	W	Cadmium	J / UJ to RRs/NDs	TRG	7/2/06	12:10	7/13/06	13:37	Total < Dissolved	
IWSW19-019	20606301706	SMP	SW6010B	dissolved	W	Cadmium	J / UJ to RRs/NDs	TRG	7/2/06	12:10	7/8/06	13:04	Total < Dissolved	
IWSW20-020	20606301707	SMP	SW6010B	total	W	Cadmium	J / UJ to RRs/NDs	TRG	7/2/06	12:10	7/13/06	13:44	Total < Dissolved	
IWSW20-020	20606301707	SMP	SW6010B	dissolved	W	Cadmium	J / UJ to RRs/NDs	TRG	7/2/06	12:10	7/8/06	13:31	Total < Dissolved	
IW-040-EB	20606301708	EQBK	SW6010B	total	W	Cadmium	U to RRs < 5 x BlankEquivConc	TRG	7/2/06	12:10	7/13/06	13:50	equipment blank contamination (0.00053 B mg/L)	
MB for HBN 326970 [DIGM/12113]	386173	LB	SW6010B	dissolved	W	Chromium	U to RRs < 5 x BlankEquivConc	TRG	7/2/06	12:10	7/8/06	11:58	laboratory blank contamination (0.0026 B mg/L)	
IWSW18-035	20606301703	SMP	SW6010B	total	W	Chromium	J / UJ to RRs/NDs	TRG	7/2/06	12:10	7/13/06	13:30	large difference between field duplicate pair (> 2 x MQL)	
IWSW20-020	20606301707	SMP	SW6010B	total	W	Cobalt	J / UJ to RRs/NDs	TRG	7/2/06	12:10	7/13/06	13:44	Total < Dissolved	
IWSW20-020	20606301707	SMP	SW6010B	dissolved	W	Cobalt	J / UJ to RRs/NDs	TRG	7/2/06	12:10	7/8/06	13:31	Total < Dissolved	
IW-040-EB	20606301708	EQBK	SW6010B	total	W	Cobalt	U to RRs < 5 x BlankEquivConc	TRG	7/2/06	12:10	7/13/06	13:50	equipment blank contamination (0.00057 B mg/L)	

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IWSW17-017	20606301701	SMP	SW6010B	total	W	Copper	J / UJ to RRs/NDs	TRG	7/2/06	12:10	7/13/06	13:24	Total < Dissolved	
IWSW17-017	20606301701	SMP	SW6010B	dissolved	W	Copper	J / UJ to RRs/NDs	TRG	7/2/06	12:10	7/8/06	12:50	Total < Dissolved	
IWSW18-018	20606301702	SMP	SW6010B	total	W	Copper	J / UJ to RRs/NDs	TRG	7/2/06	12:10	7/13/06	11:56	Total < Dissolved	
IWSW18-018	20606301702	SMP	SW6010B	dissolved	W	Copper	J / UJ to RRs/NDs	TRG	7/2/06	12:10	7/8/06	12:13	Total < Dissolved	
IWSW18-035	20606301703	SMP	SW6010B	total	W	Copper	J / UJ to RRs/NDs	TRG	7/2/06	12:10	7/13/06	13:30	Total < Dissolved	
IWSW18-035	20606301703	SMP	SW6010B	dissolved	W	Copper	J / UJ to RRs/NDs	TRG	7/2/06	12:10	7/8/06	12:57	Total < Dissolved	
IWSW19-019	20606301706	SMP	SW6010B	total	W	Copper	J / UJ to RRs/NDs	TRG	7/2/06	12:10	7/13/06	13:37	Total < Dissolved	
IWSW19-019	20606301706	SMP	SW6010B	dissolved	W	Copper	J / UJ to RRs/NDs	TRG	7/2/06	12:10	7/8/06	13:04	Total < Dissolved	
IWSW20-020	20606301707	SMP	SW6010B	total	W	Copper	J / UJ to RRs/NDs	TRG	7/2/06	12:10	7/13/06	13:44	Total < Dissolved	
IWSW20-020	20606301707	SMP	SW6010B	dissolved	W	Copper	J / UJ to RRs/NDs	TRG	7/2/06	12:10	7/8/06	13:31	Total < Dissolved	
IWSW18-018 MS	20606301704	MS	SW6010B	total	W	Hardness	none (waived due to high parent conc)	TRG	7/2/06	12:10	7/13/06	12:03	extremely low MS/MSD recovery (15%)	
IWSW18-018 MSD	20606301705	MSD	SW6010B	total	W	Hardness	none (waived due to high parent conc)	TRG	7/2/06	12:10	7/13/06	12:10	high ave MS/MSD recovery (377.5%)	
IW-040-EB	20606301708	EQBK	SW6010B	total	W	Hardness	U to RRs < 5 x BlankEquivConc (none)	TRG	7/2/06	12:10	7/13/06	13:50	equipment blank contamination (0.74 mg/L)	
MB for HBN 326970 [DIGM/12113]	386173	LB	SW6010B	dissolved	W	Lead	U to RRs < 5 x BlankEquivConc	TRG	7/2/06	12:10	7/8/06	11:58	laboratory blank contamination (0.0013 B mg/L)	
MB for HBN 331091 [DIGM/12475]	402645	LB	SW6010B	total	W	Lead	U to RRs < 5 x BlankEquivConc (none)	TRG	7/2/06	12:10	8/22/2006	13:24	laboratory blank contamination (0.0014 B mg/L)	
IWSW17-017	20606301701	SMP	SW6010B	total	W	Lead	J / UJ to RRs/NDs	TRG	7/2/06	12:10	7/13/06	13:24	Total < Dissolved	
IWSW17-017	20606301701	SMP	SW6010B	dissolved	W	Lead	J / UJ to RRs/NDs	TRG	7/2/06	12:10	7/8/06	12:50	Total < Dissolved	
IWSW18-018	20606301702	SMP	SW6010B	total	W	Lead	J / UJ to RRs/NDs	TRG	7/2/06	12:10	7/13/06	11:56	Total < Dissolved	
IWSW18-018	20606301702	SMP	SW6010B	dissolved	W	Lead	J / UJ to RRs/NDs	TRG	7/2/06	12:10	7/8/06	12:13	Total < Dissolved	
IW-040-EB (RE)	20606301717	EQBK	SW6010B	total	W	Lead	U to RRs < 5 x BlankEquivConc (none)	TRG	7/2/06	12:10	8/22/2006	14:09	equipment blank contamination (0.0016 B mg/L)	

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MB for HBN 326969 [DIGM/12112]	386171	LB	SW6010B	total	W	Nickel	U to RRs < 5 x BlankEquivConc (none)	TRG	7/2/06	12:10	7/13/06	11:43	laboratory blank contamination (0.00065 B mg/L)	
IWSW17-017	20606301701	SMP	SW6010B	total	W	Nickel	J / UJ to RRs/NDs	TRG	7/2/06	12:10	7/13/06	13:24	Total < Dissolved	
IWSW17-017	20606301701	SMP	SW6010B	dissolved	W	Nickel	J / UJ to RRs/NDs	TRG	7/2/06	12:10	7/8/06	12:50	Total < Dissolved	
IWSW18-018	20606301702	SMP	SW6010B	total	W	Nickel	J / UJ to RRs/NDs	TRG	7/2/06	12:10	7/13/06	11:56	Total < Dissolved	
IWSW18-018	20606301702	SMP	SW6010B	dissolved	W	Nickel	J / UJ to RRs/NDs	TRG	7/2/06	12:10	7/8/06	12:13	Total < Dissolved	
IWSW18-035	20606301703	SMP	SW6010B	total	W	Nickel	J / UJ to RRs/NDs	TRG	7/2/06	12:10	7/13/06	13:30	Total < Dissolved	
IWSW18-035	20606301703	SMP	SW6010B	dissolved	W	Nickel	J / UJ to RRs/NDs	TRG	7/2/06	12:10	7/8/06	12:57	Total < Dissolved	
IWSW19-019	20606301706	SMP	SW6010B	total	W	Nickel	J / UJ to RRs/NDs	TRG	7/2/06	12:10	7/13/06	13:37	Total < Dissolved	
IWSW19-019	20606301706	SMP	SW6010B	dissolved	W	Nickel	J / UJ to RRs/NDs	TRG	7/2/06	12:10	7/8/06	13:04	Total < Dissolved	
IWSW20-020	20606301707	SMP	SW6010B	total	W	Nickel	J / UJ to RRs/NDs	TRG	7/2/06	12:10	7/13/06	13:44	Total < Dissolved	
IWSW20-020	20606301707	SMP	SW6010B	dissolved	W	Nickel	J / UJ to RRs/NDs	TRG	7/2/06	12:10	7/8/06	13:31	Total < Dissolved	
IWSW17-017	20606301701	SMP	SW6010B	total	W	Selenium	J / UJ to RRs/NDs	TRG	7/2/06	12:10	7/13/06	13:24	Total < Dissolved	
IWSW17-017	20606301701	SMP	SW6010B	dissolved	W	Selenium	J / UJ to RRs/NDs	TRG	7/2/06	12:10	7/8/06	12:50	Total < Dissolved	
IWSW18-018	20606301702	SMP	SW6010B	total	W	Selenium	J / UJ to RRs/NDs	TRG	7/2/06	12:10	7/13/06	11:56	Total < Dissolved	
IWSW18-018	20606301702	SMP	SW6010B	dissolved	W	Selenium	J / UJ to RRs/NDs	TRG	7/2/06	12:10	7/8/06	12:13	Total < Dissolved	
IWSW18-035	20606301703	SMP	SW6010B	total	W	Selenium	J / UJ to RRs/NDs	TRG	7/2/06	12:10	7/13/06	13:30	Total < Dissolved	
IWSW18-035	20606301703	SMP	SW6010B	dissolved	W	Selenium	J / UJ to RRs/NDs	TRG	7/2/06	12:10	7/8/06	12:57	Total < Dissolved	
IWSW19-019	20606301706	SMP	SW6010B	total	W	Selenium	J / UJ to RRs/NDs	TRG	7/2/06	12:10	7/13/06	13:37	Total < Dissolved	
IWSW19-019	20606301706	SMP	SW6010B	dissolved	W	Selenium	J / UJ to RRs/NDs	TRG	7/2/06	12:10	7/8/06	13:04	Total < Dissolved	
IWSW20-020	20606301707	SMP	SW6010B	total	W	Selenium	J / UJ to RRs/NDs	TRG	7/2/06	12:10	7/13/06	13:44	Total < Dissolved	

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IWSW20-020	20606301707	SMP	SW6010B	dissolved	W	Selenium	J / UJ to RRs/NDs	TRG	7/2/06	12:10	7/8/06	13:31	Total < Dissolved	
MB for HBN 326970 [DIGIN/12113]	386173	LB	SW6010B	dissolved	W	Silver	U to RRs < 5 x BlankEquivConc	TRG	7/2/06	12:10	7/8/06	11:58	laboratory blank contamination (0.0042 B mg/L)	
IWSW17-017	20606301701	SMP	SW6010B	total	W	Silver	J / UJ to RRs/NDs	TRG	7/2/06	12:10	7/13/06	13:24	Total < Dissolved	
IWSW17-017	20606301701	SMP	SW6010B	dissolved	W	Silver	J / UJ to RRs/NDs	TRG	7/2/06	12:10	7/8/06	12:50	Total < Dissolved	
IWSW18-018	20606301702	SMP	SW6010B	total	W	Silver	J / UJ to RRs/NDs	TRG	7/2/06	12:10	7/13/06	11:56	Total < Dissolved	
IWSW18-018	20606301702	SMP	SW6010B	dissolved	W	Silver	J / UJ to RRs/NDs	TRG	7/2/06	12:10	7/8/06	12:13	Total < Dissolved	
IWSW18-035	20606301703	SMP	SW6010B	total	W	Silver	J / UJ to RRs/NDs	TRG	7/2/06	12:10	7/13/06	13:30	Total < Dissolved	
IWSW18-035	20606301703	SMP	SW6010B	dissolved	W	Silver	J / UJ to RRs/NDs	TRG	7/2/06	12:10	7/8/06	12:57	Total < Dissolved	
IWSW19-019	20606301706	SMP	SW6010B	total	W	Silver	J / UJ to RRs/NDs	TRG	7/2/06	12:10	7/13/06	13:37	Total < Dissolved	
IWSW19-019	20606301706	SMP	SW6010B	dissolved	W	Silver	J / UJ to RRs/NDs	TRG	7/2/06	12:10	7/8/06	13:04	Total < Dissolved	
IWSW20-020	20606301707	SMP	SW6010B	total	W	Silver	J / UJ to RRs/NDs	TRG	7/2/06	12:10	7/13/06	13:44	Total < Dissolved	
IWSW20-020	20606301707	SMP	SW6010B	dissolved	W	Silver	J / UJ to RRs/NDs	TRG	7/2/06	12:10	7/8/06	13:31	Total < Dissolved	
IWSW17-017	20606301701	SMP	SW6010B	total	W	Strontium	J / UJ to RRs/NDs	TRG	7/2/06	12:10	7/13/06	13:24	Total < Dissolved	
IWSW17-017	20606301701	SMP	SW6010B	dissolved	W	Strontium	J / UJ to RRs/NDs	TRG	7/2/06	12:10	7/8/06	12:50	Total < Dissolved	
IWSW18-018	20606301702	SMP	SW6010B	total	W	Strontium	J / UJ to RRs/NDs	TRG	7/2/06	12:10	7/13/06	11:56	Total < Dissolved	
IWSW18-018	20606301702	SMP	SW6010B	dissolved	W	Strontium	J / UJ to RRs/NDs	TRG	7/2/06	12:10	7/8/06	12:13	Total < Dissolved	
IWSW18-035	20606301703	SMP	SW6010B	total	W	Strontium	J / UJ to RRs/NDs	TRG	7/2/06	12:10	7/13/06	13:30	Total < Dissolved	
IWSW18-035	20606301703	SMP	SW6010B	dissolved	W	Strontium	J / UJ to RRs/NDs	TRG	7/2/06	12:10	7/8/06	12:57	Total < Dissolved	
IWSW18-018 MSD	20606301705	MSD	SW6010B	dissolved	W	Strontium	none (waived due to high parent conc)	TRG	7/2/06	12:10	7/8/06	12:27	high ave MS/MSD recovery (311.5%)	
IWSW19-019	20606301706	SMP	SW6010B	total	W	Strontium	J / UJ to RRs/NDs	TRG	7/2/06	12:10	7/13/06	13:37	Total < Dissolved	

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IWSW19-019	20606301706	SMP	SW6010B	dissolved	W	Strontium	J / UJ to RRs/NDs	TRG	7/2/06	12:10	7/8/06	13:04	Total < Dissolved	
IWSW20-020	20606301707	SMP	SW6010B	total	W	Strontium	J / UJ to RRs/NDs	TRG	7/2/06	12:10	7/13/06	13:44	Total < Dissolved	
IWSW20-020	20606301707	SMP	SW6010B	dissolved	W	Strontium	J / UJ to RRs/NDs	TRG	7/2/06	12:10	7/8/06	13:31	Total < Dissolved	
MB for HBN 326970 [DIGM/12113]	386173	LB	SW6010B	dissolved	W	Titanium	U to RRs < 5 x BlankEquivConc	TRG	7/2/06	12:10	7/8/06	11:58	laboratory blank contamination (0.0008 B mg/L)	
IWSW17-017	20606301701	SMP	SW6010B	total	W	Titanium	J / UJ to RRs/NDs	TRG	7/2/06	12:10	7/13/06	13:24	Total < Dissolved	
IWSW17-017	20606301701	SMP	SW6010B	dissolved	W	Titanium	J / UJ to RRs/NDs	TRG	7/2/06	12:10	7/8/06	12:50	Total < Dissolved	
IWSW18-018	20606301702	SMP	SW6010B	total	W	Titanium	J / UJ to RRs/NDs	TRG	7/2/06	12:10	7/13/06	11:56	Total < Dissolved	
IWSW18-018	20606301702	SMP	SW6010B	dissolved	W	Titanium	J / UJ to RRs/NDs	TRG	7/2/06	12:10	7/8/06	12:13	Total < Dissolved	
IWSW18-035	20606301703	SMP	SW6010B	total	W	Titanium	J / UJ to RRs/NDs	TRG	7/2/06	12:10	7/13/06	13:30	Total < Dissolved	
IWSW18-035	20606301703	SMP	SW6010B	dissolved	W	Titanium	J / UJ to RRs/NDs	TRG	7/2/06	12:10	7/8/06	12:57	Total < Dissolved	
IWSW19-019	20606301706	SMP	SW6010B	total	W	Titanium	J / UJ to RRs/NDs	TRG	7/2/06	12:10	7/13/06	13:37	Total < Dissolved	
IWSW19-019	20606301706	SMP	SW6010B	dissolved	W	Titanium	J / UJ to RRs/NDs	TRG	7/2/06	12:10	7/8/06	13:04	Total < Dissolved	
MB for HBN 326970 [DIGM/12113]	386173	LB	SW6010B	dissolved	W	Vanadium	U to RRs < 5 x BlankEquivConc	TRG	7/2/06	12:10	7/8/06	11:58	laboratory blank contamination (0.0029 B mg/L)	
IWSW18-018	20606301702	SMP	SW6010B	total	W	Vanadium	J / UJ to RRs/NDs	TRG	7/2/06	12:10	7/13/06	11:56	Total < Dissolved	
IWSW18-018	20606301702	SMP	SW6010B	dissolved	W	Vanadium	J / UJ to RRs/NDs	TRG	7/2/06	12:10	7/8/06	12:13	Total < Dissolved	
	2060705sv17a002	CCV1	SW8081A			4,4'-DDT	J+ to RRs (none)	Pest			7/5/06	17:16	calibration drift (%D= 20)	
	2060705sv17a022	CCV1	SW8081A			4,4'-DDT	J+ to RRs (none)	Pest			7/6/06	0:25	calibration drift (%D= 16)	
	2060705sv17a022	CCV1	SW8081A			Methoxychlor	J+ to RRs (none)	Pest			7/6/06	0:25	calibration drift (%D= 16)	
	G5792	CCV1	SW8260B			1,1,2,2-Tetrachloroethane	J- / UJ to RRs/NDs	VOC			7/3/06	7:51	calibration drift (%D= -23)	
	G5792	CCV1	SW8260B			1,2-Dibromo-3-chloropropane	J- / UJ to RRs/NDs	VOC			7/3/06	7:51	calibration drift (%D= -22)	

ATTACHMENT 1

IW-040-EB	20606301708	EQBK	SW8260B		W	2-Butanone	U to RRs < 5 x BlankEquivConc	TRG			7/3/06	10:13	equipment blank contamination (1.82 J ug/L)	
	G5210	ICAL1	SW8260B			2-Chloroethyl vinyl ether	J / UJ to RRs/NDs	VOC			6/18/06	16:30	poor calibration fit (%RSD=26)	
	G5792	CCV1	SW8260B			2-Chloroethyl vinyl ether	J+ to RRs (none)	VOC			7/3/06	7:51	calibration drift (%D= 24)	
IWSW18-018 MSD	20606301705	MSD	SW8260B		W	2-Chloroethylvinyl ether	J- / R to RRs/NDs	TRG			7/3/06	16:05	low ave MS/MSD recovery (0%); analyte destroyed by preservative for aqueous samples	
IW-040-EB	20606301708	EQBK	SW8260B		W	Acetone	U to RRs < 10 x BlankEquivConc	TRG			7/3/06	10:13	equipment blank contamination (16 J ug/L)	
IW-041-FB	20606301709	TRIPBK	SW8260B		W	Acetone	U to RRs < 10 x BlankEquivConc	TRG			7/3/06	10:38	trip blank contamination (2.12 J ug/L)	
	G5210	ICAL1	SW8260B			Acrolein	J / UJ to RRs/NDs	VOC			6/18/06	16:30	low instrument response (low RRF); elevate SDL for NDs 20x (SW)	
	G5792	CCV1	SW8260B			Acrolein	J- / UJ to RRs/NDs	VOC			7/3/06	7:51	calibration drift (%D= -21)	
IW-040-EB	20606301708	EQBK	SW8260B		W	Carbon tetrachloride	U to RRs < 5 x BlankEquivConc (none)	TRG			7/3/06	10:13	equipment blank contamination (0.333 J ug/L)	
IWSW18-018 MSD	20606301705	MSD	SW8260B		W	Chloroethane	J+ to RRs (none)	TRG			7/3/06	16:05	high ave MS/MSD recovery (167.5%)	
	G5210	ICAL1	SW8260B			Chloroethane	J / UJ to RRs/NDs	VOC			6/18/06	16:30	low instrument response (low RRF); elevate SDL for NDs 20x (SW)	
	G5792	CCV1	SW8260B			Chloroethane	J+ to RRs (none)	VOC			7/3/06	7:51	calibration drift (%D= 33)	
IW-040-EB	20606301708	EQBK	SW8260B		W	m,p-Xylene	U to RRs < 5 x BlankEquivConc (none)	TRG			7/3/06	10:13	equipment blank contamination (0.502 J ug/L)	
MB for HBN 327076 [MSV/8637]	386530	LB	SW8260B		W	Methylene chloride	U to RRs < 10 x BlankEquivConc	TRG			7/3/06	9:33	laboratory blank contamination (1.65 J ug/L)	
IW-040-EB	20606301708	EQBK	SW8260B		W	Methylene chloride	U to RRs < 10 x BlankEquivConc	TRG			7/3/06	10:13	equipment blank contamination (2.99 JB ug/L)	
IW-041-FB	20606301709	TRIPBK	SW8260B		W	Methylene chloride	U to RRs < 10 x BlankEquivConc	TRG			7/3/06	10:38	trip blank contamination (3.06 JB ug/L)	
IW-040-EB	20606301708	EQBK	SW8260B		W	Naphthalene	U to RRs < 5 x BlankEquivConc	TRG			7/3/06	10:13	equipment blank contamination (0.562 J ug/L)	
IW-041-FB	20606301709	TRIPBK	SW8260B		W	Naphthalene	U to RRs < 5 x BlankEquivConc	TRG			7/3/06	10:38	trip blank contamination (0.348 J ug/L)	
	G5023	ICAL2	SW8260B			n-Butyl alcohol	J / UJ to RRs/NDs	App9			6/14/06	7:30	low instrument response (low RRF); elevate SDL for NDs 2x (SW) or 50x (Sed)	
	G5795	CCV2	SW8260B			n-Butyl alcohol	J+ to RRs (none)	App9			7/3/06	9:08	calibration drift (%D= 32)	

ATTACHMENT 1

IW-040-EB	20606301708	EQBK	SW8260B		W	Styrene	U to RR<5 x BlankEquivConc (none)	TRG			7/3/06	10:13	equipment blank contamination (0.201 J ug/L)	
	G5792	CCV1	SW8260B			Trichlorofluoromethane	J+ to RR<5 x BlankEquivConc (none)	VOC			7/3/06	7:51	calibration drift (%D= 26)	
	G5210	ICAL1	SW8260B			Vinyl Chloride	J / UJ to RR<5 x BlankEquivConc (none)	VOC			6/18/06	16:30	poor calibration fit (%RSD=16)	
IWSW17-017	20606301701	SMP	SW8270C		W	2-Fluorophenol	J- / UJ to RR<5 x BlankEquivConc (none)	SUR	7/2/06	10:00	7/3/06	13:48	low acidic SU recovery (44%)	
IWSW18-018	20606301702	SMP	SW8270C		W	2-Fluorophenol	J- / UJ to RR<5 x BlankEquivConc (none)	SUR	7/2/06	10:00	7/3/06	14:04	low acidic SU recovery (41%)	
IWSW18-035	20606301703	SMP	SW8270C		W	2-Fluorophenol	J- / UJ to RR<5 x BlankEquivConc (none)	SUR	7/2/06	10:00	7/3/06	14:19	low acidic SU recovery (40%)	
IWSW19-019	20606301706	SMP	SW8270C		W	2-Fluorophenol	J- / UJ to RR<5 x BlankEquivConc (none)	SUR	7/2/06	10:00	7/3/06	15:05	low acidic SU recovery (54%)	
IWSW20-020	20606301707	SMP	SW8270C		W	2-Fluorophenol	J- / UJ to RR<5 x BlankEquivConc (none)	SUR	7/2/06	10:00	7/3/06	15:20	low acidic SU recovery (39%)	
LCSD for HBN 326936 [EXTO/1405]	386026	LCSD	SW8270C		W	2-Methylnaphthalene	J- / UJ to RR<5 x BlankEquivConc (none)	TRG	7/2/06	10:00	7/19/06	12:57	low ave LCS/LCSD recovery (57.5%)	
LCSD for HBN 326936 [EXTO/1405]	386026	LCSD	SW8270C		W	4-Nitrophenol	J- / UJ to RR<5 x BlankEquivConc (none)	TRG	7/2/06	10:00	7/19/06	12:57	low ave LCS/LCSD recovery (33%)	
IWSW18-018 MSD	20606301705	MSD	SW8270C		W	4-Nitrophenol	J- / UJ to RR<5 x BlankEquivConc (none)	TRG	7/2/06	10:00	7/3/06	14:49	low ave MS/MSD recovery (33.5%)	
IW-040-EB	20606301708	EQBK	SW8270C		W	Acetophenone	U to RR<5 x BlankEquivConc (none)	TRG	7/2/06	10:00	7/3/06	15:53	equipment blank contamination (0.641 J ug/L)	
LCSD for HBN 326936 [EXTO/1405]	386026	LCSD	SW8270C		W	Aniline	J- / UJ to RR<5 x BlankEquivConc (none)	TRG	7/2/06	10:00	7/19/06	12:57	low ave LCS/LCSD recovery (58%)	
IWSW18-018 MSD	20606301705	MSD	SW8270C		W	Benzaldehyde	J+ to RR<5 x BlankEquivConc (none)	TRG	7/2/06	10:00	7/3/06	14:49	high ave MS/MSD recovery (333.5%)	
IW-040-EB	20606301708	EQBK	SW8270C		W	Benzaldehyde	U to RR<5 x BlankEquivConc (none)	TRG	7/2/06	10:00	7/3/06	15:53	equipment blank contamination (3.65 J ug/L)	
LCS for HBN 326936 [EXTO/1405]	386025	LCS	SW8270C		W	Benzidine	J- / UJ to RR<5 x BlankEquivConc (since high for MS/MSD)	TRG	7/2/06	10:00	7/19/06	12:42	extremely low LCS recovery (7%)	
LCSD for HBN 326936 [EXTO/1405]	386026	LCSD	SW8270C		W	Benzidine	J- / UJ to RR<5 x BlankEquivConc (since high for MS/MSD)	TRG	7/2/06	10:00	7/19/06	12:57	extremely low ave LCS/LCSD recovery (8.5%)	
IWSW18-018 MSD	20606301705	MSD	SW8270C		W	Benzidine	J+ to RR<5 x BlankEquivConc (none)	TRG	7/2/06	10:00	7/3/06	14:49	high ave MS/MSD recovery (180.5%)	
IWSW18-018 MSD	20606301705	MSD	SW8270C		W	Benzidine	J to RR<5 x BlankEquivConc (none)	TRG	7/2/06	10:00	7/3/06	14:49	poor MS/MSD precision (48 RPD)	
	B2257	CCV1	SW8270C			Benzidine	J- / UJ to RR<5 x BlankEquivConc (none)	SVOC			7/3/06	10:04	calibration drift (%D= -36)	

ATTACHMENT 1

LCSD for HBN 326936 [EXTO/1405]	386026	LCSD	SW8270C		W	Benzoic acid	J- / R to RRs/NDs	TRG	7/2/06	10:00	7/19/06	12:57	extremely low LCSD recovery (9%)	
LCSD for HBN 326936 [EXTO/1405]	386026	LCSD	SW8270C		W	Benzoic acid	J- / UJ to RRs/NDs	TRG	7/2/06	10:00	7/19/06	12:57	low ave LCS/LCSD recovery (11.5%)	
LCSD for HBN 326936 [EXTO/1405]	386026	LCSD	SW8270C		W	Benzoic acid	J to RRs (none)	TRG	7/2/06	10:00	7/19/06	12:57	poor LCS/LCSD precision (44 RPD)	
IWSW18-018 MSD	20606301705	MSD	SW8270C		W	Benzoic acid	J- / UJ to RRs/NDs	TRG	7/2/06	10:00	7/3/06	14:49	low ave MS/MSD recovery (20.5%)	
IWSW18-018 MSD	20606301705	MSD	SW8270C		W	Benzoic acid	J to RRs (none)	TRG	7/2/06	10:00	7/3/06	14:49	poor MS/MSD precision (42 RPD)	
	B2257	CCV1	SW8270C			Benzoic acid	J+ to RRs (none)	SVOC			7/3/06	10:04	calibration drift (%D= 73)	
IW-040-EB	20606301708	EQBK	SW8270C		W	Bis(2-Ethylhexyl)phthalate	U to RRs < 10 x BlankEquivConc	TRG	7/2/06	10:00	7/3/06	15:53	equipment blank contamination (0.75 J ug/L)	
LCSD for HBN 326936 [EXTO/1405]	386026	LCSD	SW8270C		W	Caprolactam	J- / UJ to RRs/NDs	TRG	7/2/06	10:00	7/19/06	12:57	low ave LCS/LCSD recovery (29%)	
IWSW18-018 MSD	20606301705	MSD	SW8270C		W	Caprolactam	J- / UJ to RRs/NDs	TRG	7/2/06	10:00	7/3/06	14:49	low ave MS/MSD recovery (27.5%)	
MB for HBN 326936 [EXTO/14059]	386024	LB	SW8270C		W	Di-n-butyl phthalate	U to RRs < 10 x BlankEquivConc	TRG	7/2/06	10:00	7/19/06	12:27	laboratory blank contamination (0.754 J ug/L)	
LCSD for HBN 326936 [EXTO/1405]	386026	LCSD	SW8270C		W	Hexachlorocyclopentadiene	J- / UJ to RRs/NDs	TRG	7/2/06	10:00	7/19/06	12:57	low ave LCS/LCSD recovery (41.5%)	
IWSW18-018 MSD	20606301705	MSD	SW8270C		W	Hexachlorocyclopentadiene	J- / UJ to RRs/NDs	TRG	7/2/06	10:00	7/3/06	14:49	low ave MS/MSD recovery (48%)	
LCSD for HBN 326936 [EXTO/1405]	386026	LCSD	SW8270C		W	Hexachloroethane	J- / UJ to RRs/NDs	TRG	7/2/06	10:00	7/19/06	12:57	low ave LCS/LCSD recovery (48%)	
IWSW18-018 MSD	20606301705	MSD	SW8270C		W	Hexachloroethane	J- / UJ to RRs/NDs	TRG	7/2/06	10:00	7/3/06	14:49	low ave MS/MSD recovery (48%)	
	B2257	CCV1	SW8270C			Indeno(1,2,3-cd)pyrene	J- / UJ to RRs/NDs	SVOC			7/3/06	10:04	calibration drift (%D= -30)	
LCSD for HBN 326936 [EXTO/1405]	386026	LCSD	SW8270C		W	n-Nitrosodimethylamine	J- / UJ to RRs/NDs	TRG	7/2/06	10:00	7/19/06	12:57	low ave LCS/LCSD recovery (53%)	
IWSW18-018 MSD	20606301705	MSD	SW8270C		W	n-Nitrosodimethylamine	J- / UJ to RRs/NDs	TRG	7/2/06	10:00	7/3/06	14:49	low ave MS/MSD recovery (43.5%)	
LCSD for HBN 326936 [EXTO/1405]	386026	LCSD	SW8270C		W	Phenol	J- / UJ to RRs/NDs	TRG	7/2/06	10:00	7/19/06	12:57	low ave LCS/LCSD recovery (35.5%)	
IWSW18-018 MSD	20606301705	MSD	SW8270C		W	Phenol	J- / UJ to RRs/NDs	TRG	7/2/06	10:00	7/3/06	14:49	low ave MS/MSD recovery (35%)	
IW-040-EB	20606301708	EQBK	SW8270C		W	Phenol	U to RRs < 5 x BlankEquivConc (none)	TRG	7/2/06	10:00	7/3/06	15:53	equipment blank contamination (0.404 J ug/L)	

ATTACHMENT 1

	B2161	ICAL	SW8270C			Phenol	J / UJ to RRs/NDs	SVOC			7/1/06	18:17	poor calibration fit (%RSD=20)	
IWSW17-017	20606301701	SMP	SW8270C		W	Phenol-d5	J- / UJ to RRs/NDs for acidic (phenolic) analytes	SUR	7/2/06	10:00	7/3/06	13:48	low acidic SU recovery (42%)	
IWSW18-018	20606301702	SMP	SW8270C		W	Phenol-d5	J- / UJ to RRs/NDs for acidic (phenolic) analytes	SUR	7/2/06	10:00	7/3/06	14:04	low acidic SU recovery (39%)	
IWSW18-035	20606301703	SMP	SW8270C		W	Phenol-d5	J- / UJ to RRs/NDs for acidic (phenolic) analytes	SUR	7/2/06	10:00	7/3/06	14:19	low acidic SU recovery (41%)	
IWSW19-019	20606301706	SMP	SW8270C		W	Phenol-d5	J- / UJ to RRs/NDs for acidic (phenolic) analytes	SUR	7/2/06	10:00	7/3/06	15:05	low acidic SU recovery (56%)	
IWSW20-020	20606301707	SMP	SW8270C		W	Phenol-d5	J- / UJ to RRs/NDs for acidic (phenolic) analytes	SUR	7/2/06	10:00	7/3/06	15:20	low acidic SU recovery (41%)	
LCSD for HBN 326936 [EXTO/1405]	386026	LCSD	SW8270C		W	Pyridine	J- / UJ to RRs/NDs	TRG	7/2/06	10:00	7/19/06	12:57	low ave LCS/LCSD recovery (25.5%)	
LCSD for HBN 326936 [EXTO/1405]	386026	LCSD	SW8270C		W	Pyridine	J to RRs (none)	TRG	7/2/06	10:00	7/19/06	12:57	poor LCS/LCSD precision (45 RPD)	
IWSW18-018 MSD	20606301705	MSD	SW8270C		W	Pyridine	J- / UJ to RRs/NDs	TRG	7/2/06	10:00	7/3/06	14:49	low ave MS/MSD recovery (43.5%)	
	B2161	ICAL	SW8270C			Pyridine	J / UJ to RRs/NDs	SVOC			7/1/06	18:17	poor calibration fit (%RSD=16)	

DATA VALIDATION CHECKLIST (Level III)				
Client Name: Pastor, Behling, & Wheeler	Project Number: 1352			
Property Location: Gulfco Superfund Site	Project Manager: Eric Pastor			
Laboratory: GCAL – Baton Rouge, LA GEL – Charleston, SC	Laboratory Job No.: GCAL - 206063021 GEL - 166328			
Reviewer: DAF (QAA, L.L.C.)	Date Checked: 9/11/06			
ITEM	Yes	No	NA	Comment Number
Chain of Custody (COC) and Sample Receipt at Lab				
1. Signed COCs included and seals used?	X			
2. Date and time of sample collection included?	X			
3. All samples listed on the COC analyzed for in accordance with the RI/FS Work Plan?	X			
4. Field QC sample frequency met project requirements?			X	
5. Sample receipt temperature 2-6°C?	X			
6. Samples preserved appropriately?	X			
7. Samples received within 2 days of collection?	X			from GCAL
8. No problems noted?	X			
Laboratory Report and Data Package				
9. Signed Case Narrative included?	X			
10. No analytical discrepancies noted in case narrative?		X		10.
11. Elevated reporting limits justified?			X	
12. MDLs reasonable per DCS?			X	12.
13. Calibration data acceptable?	X			ecd8 070606
14. ICV and CCV recoveries within project control limits?	X			
15. ICB and CCB results <RL (MQL)?			X	
16. Internal standard areas within project control limits?			X	
Laboratory EDD				
17. Field sample IDs included?	X			
18. Laboratory sample IDs included?	X			
19. Date of analysis included?	X			
20. Date of sample preparation included?	X			
21. Samples prepared within holding time?	X			
22. Samples analyzed within holding time?	X			
23. Detection limit and quantitation limit included?	X			
24. Project target limits achieved?	X			
25. No elevated reporting limits?	X			
26. Method references included?	X			
27. Sample matrix included?	X			
28. Sample result units reported correctly?	X			in ug/L
29. Soil/ sediment results corrected for dry-weight?			X	
30. Method blank results <RL (MDL)?	X			
31. Equipment and Trip blank results <RL (MDL)?			X	
32. All COIs included in LCS?	X			
33. LCS recovery within project control limits?		X		33.
34. MS/MSD recoveries within project control limits?		X		34.
35. LCS/LCSD RPDs within project control limits?			X	No LCSD
36. MS/MSD RPDs within project control limits?		X		36.
37. Laboratory duplicate RPDs/Diffs within project control limits?			X	
38. Field duplicate RPDs/Diffs within project control limits?			X	
39. Surrogate recoveries within project control limits?	X			
40. Completeness percentage within project limits?	X			

<p>Definitions: CCB – Continuing Calibration Blank; CCV – Continuing Calibration Verification; COI – Compounds of Interest; DCS – Detectability Check Sample; ICB – Initial Calibration Blank; ICV – Initial Calibration Verification; LCS – Laboratory Control Sample; LCSD – Laboratory Control Sample Duplicate; MDL – Method Detection Limit; MS/MSD – Matrix Spike/Matrix Spike Duplicate; RL – Reporting Limit; RPD – Relative Percent Difference</p>				
COMMENTS				
10. Issues noted. All are based on laboratory limits, which do not affect flagging for this site, except:				
Several TAs failed CCV acceptance criteria with a positive bias on the confirmation column for this SDG. (CCVs that bracket site sample for this set are acceptable though.)				
MSD recoveries outside limits due to matrix interference as observed in chromatogram				
Elemental mercury and alumina cleanup used for sample extracts				
12. GEL laboratory packages do not include quantitation reports, chromatograms, or MDL/DCS documentation. Since all samples are ND and all QC information is available on summary forms, no further action was taken.				
33. High LCS recoveries as follows. No flagging is required, as these TAs were not detected in the sample.				
Tetrachlorobiphenyl (52) 142%				
2,4'-Dichlorobiphenyl (8) 147%				
Note: MS/MSD is not reported in EDD since parent sample from another SDG; however, it is an ICWW SW from this site (IWSW30-058) and thus was used to assess data quality.				
34. High MS/MSD ave recovery as follows. No flagging is required, as this TA was not detected in the sample.				
2,4'-Dichlorobiphenyl (8) 155%				
Low MS/MSD recoveries as follows. The sample is ND for this TA and was qualified UJ.				
Tetrachlorobiphenyl (49) 96% and 0% (48% average)				
36. High MS/MSD RPD as follows. No flagging is required, as this TA was not detected in the sample.				
Tetrachlorobiphenyl (49) 200%				

SET SUMMARY
Laboratory Job No.: 206063021

1	Number of Field Samples including Field Duplicates (0)
0	Number of Field MS/MSD Pairs
0	Number of Equipment Rinsate Blanks
0	Number of Field Blanks
NA	Number of VOC Trip Blanks
1	Number of Parameters (PCB Congeners)
31	Number of Target Analytes per Sample
31	Total Measurements for Field Samples
30	Number of measurements with no validation qualifier (i.e., "none" in EDD)
1	Number of measurements with UJ flag (for Tetrachlorobiphenyl (49) due to low matrix spike recovery)
0	Number of measurements with J- flag
0	Number of measurements with J flag
0	Number of measurements with J+ flag
0	Number of measurements with U flag
0	Number of measurement with NS flag
0	Number of measurements with R flag
100%	Completeness-to-date on a sample level (percentage of surface water samples with usable data, project goal 90%)
100%	Completeness-to-date on an analyte level (percentage of surface water samples with usable data for a specific analyte, project goal 80%) – PCB Congeners

Usability: All data suitable as qualified for the intended use

DATA VALIDATION CHECKLIST (Level III)				
Client Name: Pastor, Behling, & Wheeler	Project Number: 1352			
Property Location: Gulfco Superfund Site	Project Manager: Eric Pastor			
Laboratory: GCAL – Baton Rouge, LA GEL – Charleston, SC	Laboratory Job No.: GCAL - 206072604 GEL - 168139			
Reviewer: (QAA, L.L.C.) DAF	Date Checked: 9/11/06			
ITEM	Yes	No	NA	Comment Number
Chain of Custody (COC) and Sample Receipt at Lab				
1. Signed COCs included and seals used?	X			
2. Date and time of sample collection included?	X			
3. All samples listed on the COC analyzed for in accordance with the RI/FS Work Plan?	X			
4. Field QC sample frequency met project requirements?			X	
5. Sample receipt temperature 2-6°C?	X			
6. Samples preserved appropriately?	X			
7. Samples received within 2 days of collection?		X		from GCAL
8. No problems noted?		X		8.
Laboratory Report and Data Package				
9. Signed Case Narrative included?	X			
10. No analytical discrepancies noted in case narrative?		X		10.
11. Elevated reporting limits justified?			X	
12. MDLs reasonable per DCS?			X	12.
13. Calibration data acceptable?	X			ecd8a 080806
14. ICV and CCV recoveries within project control limits?	X			
15. ICB and CCB results <RL (MQL)?			X	
16. Internal standard areas within project control limits?			X	
Laboratory EDD				
17. Field sample IDs included?		X		17.
18. Laboratory sample IDs included?	X			
19. Date of analysis included?	X			
20. Date of sample preparation included?	X			
21. Samples prepared within holding time?	X			
22. Samples analyzed within holding time?	X			
23. Detection limit and quantitation limit included?	X			
24. Project target limits achieved?	X			
25. No elevated reporting limits?	X			
26. Method references included?	X			
27. Sample matrix included?	X			
28. Sample result units reported correctly?	X			in ug/kg
29. Soil/ sediment results corrected for dry-weight?	X			
30. Method blank results <RL (MDL)?		X		30.
31. Equipment and Trip blank results <RL (MDL)?			X	
32. All COIs included in LCS?	X			
33. LCS recovery within project control limits?	X			
34. MS/MSD recoveries within project control limits?	X			
35. LCS/LCSD RPDs within project control limits?	X			
36. MS/MSD RPDs within project control limits?	X			
37. Laboratory duplicate RPDs/Diffs within project control limits?			X	
38. Field duplicate RPDs/Diffs within project control limits?			X	
39. Surrogate recoveries within project control limits?	X			
40. Completeness percentage within project limits?	X			

<p>Definitions: CCB – Continuing Calibration Blank; CCV – Continuing Calibration Verification; COI – Compounds of Interest; DCS – Detectability Check Sample; ICB – Initial Calibration Blank; ICV – Initial Calibration Verification; LCS – Laboratory Control Sample; LCSD – Laboratory Control Sample Duplicate; MDL – Method Detection Limit; MS/MSD – Matrix Spike/Matrix Spike Duplicate; RL – Reporting Limit; RPD – Relative Percent Difference</p>				
COMMENTS				
	8. Initial sample from GCAL received at 22 C on 7/29/06. GCAL sent second container from aliquots on-hand, which was received in spec at 4 C on 8/2/06.			
	10. Issues noted. All are based on laboratory limits, which do not affect flagging for this site, except:			
	One TA failed CCV acceptance criteria with a negative bias on one column for this SDG. (CCVs that bracket site sample for this set are acceptable though.)			
	TAs detected in MB; none in sample			
	Elemental mercury and alumina cleanup used for sample extracts			
	12. GEL laboratory packages do not include quantitation reports, chromatograms, or MDL/DCS documentation. Since all samples are ND and all QC information is available on summary forms, no further action was taken.			
	17. Analyses were subcontracted and thus the field Sample ID is the primary Lab ID (from GCAL).			
	30. TAs above MDL in MB as follows. No flagging as TAs were not detected in the sample.			
	Decachlorobiphenyl	0.497	ug/kg	
	2,4,4'-Trichlorobiphenyl (28)	0.499	ug/kg	
	Heptachlorobiphenyl (170)	JP	0.122	ug/kg
	Heptachlorobiphenyl (180)	J	0.326	ug/kg
	Heptachlorobiphenyl (187)	J	0.294	ug/kg
	Hexachlorobiphenyl (138)	P	0.476	ug/kg
	Hexachlorobiphenyl (153)	P	0.460	ug/kg
	Nonachlorobiphenyl (206)		2.20	ug/kg
	Pentachlorobiphenyl (101)	P	0.540	ug/kg
	Tetrachlorobiphenyl (44)	P	0.737	ug/kg
	Tetrachlorobiphenyl (49)	J	0.204	ug/kg
	Tetrachlorobiphenyl (52)		0.384	ug/kg

SET SUMMARY
Laboratory Job No.: 206072604

1	Number of Field Samples including Field Duplicates (0)
1	Number of Field MS/MSD Pairs
0	Number of Equipment Rinsate Blanks
0	Number of Field Blanks
NA	Number of VOC Trip Blanks
1	Number of Parameters (PCB Congeners)
31	Number of Target Analytes per Sample
31	Total Measurements for Field Samples
31	Number of measurements with no validation qualifier (i.e., "none" in EDD)
0	Number of measurements with UJ flag
0	Number of measurements with J- flag
0	Number of measurements with J flag
0	Number of measurements with J+ flag
0	Number of measurements with U flag
0	Number of measurement with NS flag
0	Number of measurements with R flag
100%	Completeness-to-date on a sample level (percentage of sediment samples with usable data, project goal 90%)
100%	Completeness-to-date on an analyte level (percentage of sediment samples with usable data for a specific analyte, project goal 80%) – PCB Congeners

Usability: All data suitable for the intended use

DATA VALIDATION CHECKLIST (Level III)				
ITEM	Yes	No	NA	Comment Number
Client Name: Pastor, Behling, & Wheeler				Project Number: 1352
Property Location: Gulfco Superfund Site				Project Manager: Eric Pastor
Laboratory: GCAL – Baton Rouge, LA				Laboratory Job No.: 206072601
Reviewer: Taryn Scholz/ Don Flory (QAA, L.L.C.)				Date Checked: 9/12/06
Chain of Custody (COC) and Sample Receipt at Lab				
1. Signed COCs included and seals used?	x			
2. Date and time of sample collection included?	x			
3. All samples listed on the COC analyzed for in accordance with the RI/FS Work Plan?	x			3.
4. Field QC sample frequency met project requirements?		x		4.
5. Sample receipt temperature 2-6°C?	x			
6. Samples preserved appropriately?	x			
7. Samples received within 2 days of collection?	x			
8. No problems noted?	x			
Laboratory Report and Data Package				
9. Signed Case Narrative included?	x			
10. No analytical discrepancies noted in case narrative?		x		10.
11. Elevated reporting limits justified?			x	
12. MDLs reasonable per DCS?	x			
13. Calibration data acceptable?		x		see attached
14. ICV and CCV recoveries within project control limits?		x		see attached
15. ICB and CCB results <RL (MQL)?	x			
16. Internal standard areas within project control limits?	x			
Laboratory EDD				
17. Field sample IDs included?	x			
18. Laboratory sample IDs included?	x			
19. Date of analysis included?	x			
20. Date of sample preparation included?	x			
21. Samples prepared within holding time?		x		see attached
22. Samples analyzed within holding time?	x			
23. Detection limit and quantitation limit included?	x			
24. Project target limits achieved?	x			
25. No elevated reporting limits?	x			
26. Method references included?	x			
27. Sample matrix included?	x			
28. Sample result units reported correctly?	x			28.
29. Soil/ sediment results corrected for dry-weight?		x		29.
30. Method blank results <RL (MDL)?		x		see attached
31. Equipment and Trip blank results <RL (MDL)?		x		see attached
32. All COIs included in LCS?	x			32.
33. LCS recovery within project control limits?		x		see attached
34. MS/MSD recoveries within project control limits?		x		see attached
35. LCS/LCSD RPDs within project control limits?		x		see attached
36. MS/MSD RPDs within project control limits?		x		see attached
37. Laboratory duplicate RPDs/Diffs within project control limits?			x	
38. Field duplicate RPDs/Diffs within project control limits?		x		see attached
39. Surrogate recoveries within project control limits?		x		see attached
40. Completeness percentage within project limits?	x			

<p>Definitions:</p> <p>CCB – Continuing Calibration Blank; CCV – Continuing Calibration Verification; COI – Compounds of Interest; DCS – Detectability Check Sample; ICB – Initial Calibration Blank; ICV – Initial Calibration Verification; LCS – Laboratory Control Sample; LCSD – Laboratory Control Sample Duplicate; MDL – Method Detection Limit; MS/MSD – Matrix Spike/Matrix Spike Duplicate; RL – Reporting Limit; RPD – Relative Percent Difference</p>				
COMMENTS				
Level IV Check - GC/MS RRF for instrument calibration also included in Level III checks after deficiencies noted in first samples – see attached for deficiencies noted				
3. The laboratory reported two sets of results for the Pesticide analyses. (1) The original analyses were batched with an LCS/LCSD and MS/MSD with low recs for Endosulfan I; however, the mean recoveries (37.5% and 40%, respectively) are above the site rejection threshold of 10%. All results are ND with validation qualifiers on Endosulfan I (UJ) only. (2) The laboratory re-extracted the batch. The re-extraction was 11 days past hold time and the LCS/LCSD and MS/MSD recs were again below the site limits. All results are ND with qualification on every Pesticide. The validator selected the original analyses for use by qualifying all of the re-extractions with a NS-flag.				
4. No field blank or equipment rinsate blank collected with these samples.				
10. Issues noted for all parameters. All are based on laboratory limits, which do not affect flagging for this site, except:				
PEST – Endosulfan I low in LCS/D and MS/D for prep batch 328809; samples reextracted and analyzed and reported as REs (prep batch 330895). Re-extraction was past hold time.				
METALS – Zn in method blank, conc insignificant compared to samples				
28. The Pesticide reanalyses were logged into the lab's system after 7/31/06 and thus the Results, SDLs and SQLs are reported in mg/kg in the EDD while all other sample results for organics are in ug/kg. (Note that the MDL and MQL are still in ug/kg for the reanalyses.)				
29. The results for the Pesticide reanalyses are not dry-weight corrected; however, since the validator did not select these results for use, no further action was taken.				
32. All analytes routinely spiked by lab are included as per QAPP. This is every TA except n-Butyl alcohol, Toxaphene, and the 5 middle Aroclors.				

SET SUMMARY
Laboratory Job No.: 206072601

3	Number of Field Samples including Field Duplicates (1)
1	Number of Field MS/MSD Pairs
0	Number of Equipment Rinsate Blanks
0	Number of Field Blanks
1	Number of VOC Trip Blanks
6	Number of Parameters (VOC, SVOC, Pesticides, Aroclors, Metals, TOC)
199	Number of Target Analytes per Sample
660	Total Measurements for Field Samples (Two analyses reported for the twenty-one Pesticides.)
403	Number of measurements with no validation qualifier (i.e., "none" in EDD)
173	Number of measurements with UJ flag (for various analytes due to low laboratory spike, matrix spike and/or surrogate spike recovery; poor calibration fit and/or drift)
6	Number of measurements with UJ flag and an elevated SDL (for 2,4-Dinitrophenol and 4,6-Dinitro-2-methylphenol due to poor instrument response, i.e., low RRF)
0	Number of measurements with J- flag
1	Number of measurements with J flag (due solely to result being between the SDL and SQL)
9	Number of measurements with J flag (due to result being between the SDL and SQL plus extremely low matrix spike recovery for three Antimony results and poor duplicate precision for the Barium and Manganese results)
0	Number of measurements with J+ flag
2	Number of measurements with U flag (due to blank contamination; analyte affected is Bis(2-Ethylhexyl)phthalate)
63	Number of measurements with NS flag (for Pesticides because another analysis selected based on QC and the reported result)
3	Number of measurements with R flag (for three Benzidine non-detects because of extremely low LCSD recovery (7%) and low MS/MSD average recovery (32%))
100%	Completeness-to-date on a sample level (percentage of sediment samples, including all ICWW and on-site sediments, with usable data, project goal 90%)
98%	Completeness-to-date on an analyte level (percentage of sediment samples, including all ICWW and on-site sediments, with usable data for a specific analyte, project goal 80%) – Antimony
85%	Completeness-to-date on an analyte level (percentage of sediment samples, including all ICWW and on-site sediments, with usable data for a specific analyte, project goal 80%) – 2-Chloroethylvinyl ether
82%	Completeness-to-date on an analyte level (percentage of sediment samples, including all ICWW and on-site sediments, with usable data for a specific analyte, project goal 80%) – Benzidine
100%	Completeness-to-date on an analyte level (percentage of sediment samples, including all ICWW and on-site sediments, with usable data for a specific analyte, project goal 80%) – All other target analytes

Usability: All data suitable as qualified for the intended use except for the three results for Benzidine (all non-detects). Data for 2,4-Dinitrophenol and 4,6-Dinitro-2-methylphenol are usable with an elevated reporting limit for the non-detects (as given in the Electronic Data Deliverable). Measurements qualified with a U-flag should be considered not present at the concentration reported.

QUALIFIED DATA TABLE

Field Sample Identification	Analyte	Data Qualifier	Reason for Qualification
NE3SE16-030-(1-2)	Antimony	J	result is between SDL and SQL, extremely low MS recovery (29%), low MS/MSD ave recovery (30%)
NE3SE16-030-(1-2)	Barium	J	poor field dup precision (76 RPD)
NE3SE16-030-(1-2)	Boron	UJ	low MS/MSD ave recovery (56%)
NE3SE16-030-(1-2)	Manganese	J	poor MS/MSD precision (41 RPD)
NE3SE16-030-(1-2)	Molybdenum	UJ	low MS/MSD ave recovery (68%)
NE3SE16-030-(1-2)	Endosulfan I	UJ	low LCS/LCSD ave recovery (37.5%), low MS/MSD ave recovery (40%)
NE3SE16-030-(1-2)	2-Butanone	UJ	calibration drift (%D= -24)
NE3SE16-030-(1-2)	Acetone	UJ	calibration drift (%D= -21)
NE3SE16-030-(1-2)	Acrolein	UJ	calibration drift (%D= -27), low MS/MSD ave recovery (32%)
NE3SE16-030-(1-2)	Acrylonitrile	UJ	calibration drift (%D= -28)
NE3SE16-030-(1-2)	Chloroethane	UJ	poor calibration fit (%RSD=16)
NE3SE16-030-(1-2)	Methyl Acetate	UJ	calibration drift (%D= -28), low MS/MSD ave recovery (27.5%)
NE3SE16-030-(1-2)	Methylene chloride	UJ	calibration drift (%D= -21)
NE3SE16-030-(1-2)	Vinyl acetate	UJ	calibration drift (%D= -22), low MS/MSD ave recovery (21.5%)
NE3SE16-030-(1-2)	2,4-Dinitrophenol	UJ	low instrument response (low RRF); elevate SDL for NDs 1.2x (Sed); low LCS/LCSD ave recovery (45.5%); low MS/MSD ave recovery (16.5%)
NE3SE16-030-(1-2)	2-Chlorophenol	UJ	low MS/MSD ave recovery (59%)
NE3SE16-030-(1-2)	2-Methylnaphthalene	UJ	low MS/MSD ave recovery (58.5%)
NE3SE16-030-(1-2)	3-Nitroaniline	UJ	low LCS/LCSD ave recovery (48%), low MS/MSD ave recovery (53.5%)
NE3SE16-030-(1-2)	4,6-Dinitro-2-methylphenol	UJ	low instrument response (low RRF); elevate SDL for NDs 4x (Sed); low MS/MSD ave recovery (28%)
NE3SE16-030-(1-2)	4-Chloroaniline	UJ	low LCS/LCSD ave recovery (54%), low MS/MSD ave recovery (53%)
NE3SE16-030-(1-2)	4-Nitrophenol	UJ	calibration drift (%D= -24), low LCS/LCSD ave recovery (58.5%), low MS/MSD ave recovery (51%)
NE3SE16-030-(1-2)	Aniline	UJ	low MS/MSD ave recovery (47%)
NE3SE16-030-(1-2)	Benzaldehyde	UJ	poor calibration fit (%RSD=61), low MS/MSD ave recovery (50%)
NE3SE16-030-(1-2)	Benzidine	R	poor calibration fit (%RSD=24), calibration drift (%D= -31), extremely low LCSD recovery (7%), low LCS/LCSD ave recovery (10%), low MS/MSD ave recovery (32%)
NE3SE16-030-(1-2)	Benzo(a)pyrene	UJ	poor calibration fit (%RSD=20)
NE3SE16-030-(1-2)	Benzoic acid	UJ	calibration drift (%D= -24), low LCS/LCSD ave recovery (56.5%), low MS/MSD ave recovery (19.5%)
NE3SE16-030-(1-2)	Bis(2-Chloroisopropyl)ether	UJ	low MS/MSD ave recovery (55%)
NE3SE16-030-(1-2)	Bis(2-Ethylhexyl)phthalate	U	laboratory blank contamination (15.3 J ug/Kg), result is between SDL and SQL
NE3SE16-030-(1-2)	Dibenzofuran	UJ	low MS/MSD ave recovery (59.5%)
NE3SE16-030-(1-2)	Hexachlorocyclopentadiene	UJ	low MS/MSD ave recovery (57.5%)
NE3SE16-030-(1-2)	Hexachloroethane	UJ	low MS/MSD ave recovery (52%)
NE3SE16-030-(1-2)	Indeno(1,2,3-cd)pyrene	UJ	low LCS/LCSD ave recovery (47.5%)
NE3SE16-030-(1-2)	Nitrobenzene	UJ	low MS/MSD ave recovery (58%)
NE3SE16-030-(1-2)	n-Nitrosodimethylamine	UJ	low LCS/LCSD ave recovery (58.5%), low MS/MSD ave recovery (47.5%)
NE3SE16-030-(1-2)	n-Nitrosodi-n-propylamine	UJ	low LCS/LCSD ave recovery (53.5%), low MS/MSD ave recovery (59%)
NE3SE16-030-(1-2)	o-Cresol	UJ	low MS/MSD ave recovery (56.5%)
NE3SE16-030-(1-2)	Pentachlorophenol	UJ	low MS/MSD ave recovery (53%)
NE3SE16-030-(1-2)	Phenol	UJ	low LCS/LCSD ave recovery (59.5%), low MS/MSD ave recovery (52%)

QUALIFIED DATA TABLE

NE3SE16-030-(1-2)	Pyridine	UJ	poor calibration fit (%RSD=39)
NE3SE16-030-(1-2) RE	4,4'-DDD	NS	extracted past 14-day hold time (on day 25); Result, SDL, SQL not dry-weight corrected; another analysis selected based on QC and the reported result
NE3SE16-030-(1-2) RE	4,4'-DDE	NS	extracted past 14-day hold time (on day 25); Result, SDL, SQL not dry-weight corrected; another analysis selected based on QC and the reported result
NE3SE16-030-(1-2) RE	4,4'-DDT	NS	extracted past 14-day hold time (on day 25); Result, SDL, SQL not dry-weight corrected; another analysis selected based on QC and the reported result
NE3SE16-030-(1-2) RE	Aldrin	NS	extracted past 14-day hold time (on day 25); Result, SDL, SQL not dry-weight corrected; another analysis selected based on QC and the reported result
NE3SE16-030-(1-2) RE	alpha-BHC	NS	extracted past 14-day hold time (on day 25); Result, SDL, SQL not dry-weight corrected; another analysis selected based on QC and the reported result
NE3SE16-030-(1-2) RE	alpha-Chlordane	NS	extracted past 14-day hold time (on day 25); Result, SDL, SQL not dry-weight corrected; another analysis selected based on QC and the reported result
NE3SE16-030-(1-2) RE	beta-BHC	NS	extracted past 14-day hold time (on day 25); Result, SDL, SQL not dry-weight corrected; another analysis selected based on QC and the reported result
NE3SE16-030-(1-2) RE	delta-BHC	NS	extracted past 14-day hold time (on day 25); Result, SDL, SQL not dry-weight corrected; another analysis selected based on QC and the reported result
NE3SE16-030-(1-2) RE	Dieldrin	NS	extracted past 14-day hold time (on day 25); Result, SDL, SQL not dry-weight corrected; another analysis selected based on QC and the reported result
NE3SE16-030-(1-2) RE	Endosulfan I	NS	extracted past 14-day hold time (on day 25); low LCS/LCSD ave recovery (54.5%); low MS/MSD ave recovery (51.5%); Result, SDL, SQL not dry-weight corrected; another analysis selected based on QC and the reported result
NE3SE16-030-(1-2) RE	Endosulfan II	NS	extracted past 14-day hold time (on day 25); Result, SDL, SQL not dry-weight corrected; another analysis selected based on QC and the reported result
NE3SE16-030-(1-2) RE	Endosulfan sulfate	NS	extracted past 14-day hold time (on day 25); Result, SDL, SQL not dry-weight corrected; another analysis selected based on QC and the reported result
NE3SE16-030-(1-2) RE	Endrin	NS	extracted past 14-day hold time (on day 25); Result, SDL, SQL not dry-weight corrected; another analysis selected based on QC and the reported result
NE3SE16-030-(1-2) RE	Endrin aldehyde	NS	extracted past 14-day hold time (on day 25); Result, SDL, SQL not dry-weight corrected; another analysis selected based on QC and the reported result
NE3SE16-030-(1-2) RE	Endrin ketone	NS	extracted past 14-day hold time (on day 25); Result, SDL, SQL not dry-weight corrected; another analysis selected based on QC and the reported result
NE3SE16-030-(1-2) RE	gamma-BHC (Lindane)	NS	extracted past 14-day hold time (on day 25); Result, SDL, SQL not dry-weight corrected; another analysis selected based on QC and the reported result
NE3SE16-030-(1-2) RE	gamma-Chlordane	NS	extracted past 14-day hold time (on day 25); Result, SDL, SQL not dry-weight corrected; another analysis selected based on QC and the reported result
NE3SE16-030-(1-2) RE	Heptachlor	NS	extracted past 14-day hold time (on day 25); Result, SDL, SQL not dry-weight corrected; another analysis selected based on QC and the reported result
NE3SE16-030-(1-2) RE	Heptachlor epoxide	NS	extracted past 14-day hold time (on day 25); Result, SDL, SQL not dry-weight corrected; another analysis selected based on QC and the reported result
NE3SE16-030-(1-2) RE	Methoxychlor	NS	extracted past 14-day hold time (on day 25); Result, SDL, SQL not dry-weight corrected; another analysis selected based on QC and the reported result

QUALIFIED DATA TABLE

NE3SE16-030-(1-2) RE	Toxaphene	NS	extracted past 14-day hold time (on day 25); Result, SDL, SQL not dry-weight corrected; another analysis selected based on QC and the reported result
NF4SE13-028-(1-2)	Antimony	J	result is between SDL and SQL, extremely low MS recovery (29%), low MS/MSD ave recovery (30%)
NF4SE13-028-(1-2)	Barium	J	poor field dup precision (76 RPD)
NF4SE13-028-(1-2)	Boron	UJ	low MS/MSD ave recovery (56%)
NF4SE13-028-(1-2)	Manganese	J	poor MS/MSD precision (41 RPD)
NF4SE13-028-(1-2)	Molybdenum	UJ	low MS/MSD ave recovery (68%)
NF4SE13-028-(1-2)	Endosulfan I	UJ	low LCS/LCSD ave recovery (37.5%), low MS/MSD ave recovery (40%)
NF4SE13-028-(1-2)	2-Butanone	UJ	calibration drift (%D= -24)
NF4SE13-028-(1-2)	Acetone	UJ	calibration drift (%D= -21)
NF4SE13-028-(1-2)	Acrolein	UJ	calibration drift (%D= -27), low MS/MSD ave recovery (32%)
NF4SE13-028-(1-2)	Acrylonitrile	UJ	calibration drift (%D= -28)
NF4SE13-028-(1-2)	Chloroethane	UJ	poor calibration fit (%RSD=16)
NF4SE13-028-(1-2)	Methyl Acetate	UJ	calibration drift (%D= -28), low MS/MSD ave recovery (27.5%)
NF4SE13-028-(1-2)	Methylene chloride	UJ	calibration drift (%D= -21)
NF4SE13-028-(1-2)	Vinyl acetate	UJ	calibration drift (%D= -22), low MS/MSD ave recovery (21.5%)
NF4SE13-028-(1-2)	1,2Diphenylhydrazine/Azobenzene	UJ	two low base/neutral SU recoveries (58% & 56%)
NF4SE13-028-(1-2)	2,4-Dinitrophenol	UJ	low instrument response (low RRF); elevate SDL for NDs 1.2x (Sed); low LCS/LCSD ave recovery (45.5%); low MS/MSD ave recovery (16.5%)
NF4SE13-028-(1-2)	2,4-Dinitrotoluene	UJ	two low base/neutral SU recoveries (58% & 56%)
NF4SE13-028-(1-2)	2,6-Dinitrotoluene	UJ	two low base/neutral SU recoveries (58% & 56%)
NF4SE13-028-(1-2)	2-Chloronaphthalene	UJ	two low base/neutral SU recoveries (58% & 56%)
NF4SE13-028-(1-2)	2-Chlorophenol	UJ	low MS/MSD ave recovery (59%)
NF4SE13-028-(1-2)	2-Methylnaphthalene	UJ	low MS/MSD ave recovery (58.5%), two low base/neutral SU recoveries (58% & 56%)
NF4SE13-028-(1-2)	2-Nitroaniline	UJ	two low base/neutral SU recoveries (58% & 56%)
NF4SE13-028-(1-2)	3,3'-Dichlorobenzidine	UJ	two low base/neutral SU recoveries (58% & 56%)
NF4SE13-028-(1-2)	3-Nitroaniline	UJ	low LCS/LCSD ave recovery (48%), low MS/MSD ave recovery (53.5%), two low base/neutral SU recoveries (58% & 56%)
NF4SE13-028-(1-2)	4,6-Dinitro-2-methylphenol	UJ	low instrument response (low RRF); elevate SDL for NDs 4x (Sed); low MS/MSD ave recovery (28%)
NF4SE13-028-(1-2)	4-Bromophenyl phenyl ether	UJ	two low base/neutral SU recoveries (58% & 56%)
NF4SE13-028-(1-2)	4-Chloroaniline	UJ	low LCS/LCSD ave recovery (54%), low MS/MSD ave recovery (53%), two low base/neutral SU recoveries (58% & 56%)
NF4SE13-028-(1-2)	4-Chlorophenyl phenyl ether	UJ	two low base/neutral SU recoveries (58% & 56%)
NF4SE13-028-(1-2)	4-Nitroaniline	UJ	two low base/neutral SU recoveries (58% & 56%)
NF4SE13-028-(1-2)	4-Nitrophenol	UJ	calibration drift (%D= -24), low LCS/LCSD ave recovery (58.5%), low MS/MSD ave recovery (51%)
NF4SE13-028-(1-2)	Acenaphthene	UJ	two low base/neutral SU recoveries (58% & 56%)
NF4SE13-028-(1-2)	Acenaphthylene	UJ	two low base/neutral SU recoveries (58% & 56%)
NF4SE13-028-(1-2)	Acetophenone	UJ	two low base/neutral SU recoveries (58% & 56%)
NF4SE13-028-(1-2)	Aniline	UJ	low MS/MSD ave recovery (47%), two low base/neutral SU recoveries (58% & 56%)
NF4SE13-028-(1-2)	Anthracene	UJ	two low base/neutral SU recoveries (58% & 56%)
NF4SE13-028-(1-2)	Atrazine (Aatrex)	UJ	two low base/neutral SU recoveries (58% & 56%)
NF4SE13-028-(1-2)	Benzaldehyde	UJ	poor calibration fit (%RSD=61), low MS/MSD ave recovery (50%), two low base/neutral SU recoveries (58% & 56%)

QUALIFIED DATA TABLE

NF4SE13-028-(1-2)	Benzidine	R	poor calibration fit (%RSD=24), calibration drift (%D= -31), extremely low LCSD recovery (7%), low LCS/LCSD ave recovery (10%), low MS/MSD ave recovery (32%), two low base/neutral SU recoveries (58% & 56%)
NF4SE13-028-(1-2)	Benzo(a)anthracene	UJ	two low base/neutral SU recoveries (58% & 56%)
NF4SE13-028-(1-2)	Benzo(a)pyrene	UJ	poor calibration fit (%RSD=20), two low base/neutral SU recoveries (58% & 56%)
NF4SE13-028-(1-2)	Benzo(b)fluoranthene	UJ	two low base/neutral SU recoveries (58% & 56%)
NF4SE13-028-(1-2)	Benzo(g,h,i)perylene	UJ	two low base/neutral SU recoveries (58% & 56%)
NF4SE13-028-(1-2)	Benzo(k)fluoranthene	UJ	two low base/neutral SU recoveries (58% & 56%)
NF4SE13-028-(1-2)	Benzoic acid	UJ	calibration drift (%D= -24), low LCS/LCSD ave recovery (56.5%), low MS/MSD ave recovery (19.5%), two low base/neutral SU recoveries (58% & 56%)
NF4SE13-028-(1-2)	Benzyl alcohol	UJ	two low base/neutral SU recoveries (58% & 56%)
NF4SE13-028-(1-2)	Biphenyl	UJ	two low base/neutral SU recoveries (58% & 56%)
NF4SE13-028-(1-2)	Bis(2-Chloroethoxy)methane	UJ	two low base/neutral SU recoveries (58% & 56%)
NF4SE13-028-(1-2)	Bis(2-Chloroethyl)ether	UJ	two low base/neutral SU recoveries (58% & 56%)
NF4SE13-028-(1-2)	Bis(2-Chloroisopropyl)ether	UJ	low MS/MSD ave recovery (55%), two low base/neutral SU recoveries (58% & 56%)
NF4SE13-028-(1-2)	Bis(2-Ethylhexyl)phthalate	UJ	two low base/neutral SU recoveries (58% & 56%)
NF4SE13-028-(1-2)	Butyl benzyl phthalate	UJ	two low base/neutral SU recoveries (58% & 56%)
NF4SE13-028-(1-2)	Caprolactam	UJ	two low base/neutral SU recoveries (58% & 56%)
NF4SE13-028-(1-2)	Carbazole	UJ	two low base/neutral SU recoveries (58% & 56%)
NF4SE13-028-(1-2)	Chrysene	UJ	two low base/neutral SU recoveries (58% & 56%)
NF4SE13-028-(1-2)	Dibenz(a,h)anthracene	UJ	two low base/neutral SU recoveries (58% & 56%)
NF4SE13-028-(1-2)	Dibenzofuran	UJ	low MS/MSD ave recovery (59.5%), two low base/neutral SU recoveries (58% & 56%)
NF4SE13-028-(1-2)	Diethyl phthalate	UJ	two low base/neutral SU recoveries (58% & 56%)
NF4SE13-028-(1-2)	Dimethyl phthalate	UJ	two low base/neutral SU recoveries (58% & 56%)
NF4SE13-028-(1-2)	Di-n-butyl phthalate	UJ	two low base/neutral SU recoveries (58% & 56%)
NF4SE13-028-(1-2)	Di-n-octyl phthalate	UJ	two low base/neutral SU recoveries (58% & 56%)
NF4SE13-028-(1-2)	Fluoranthene	UJ	two low base/neutral SU recoveries (58% & 56%)
NF4SE13-028-(1-2)	Fluorene	UJ	two low base/neutral SU recoveries (58% & 56%)
NF4SE13-028-(1-2)	Hexachlorobenzene	UJ	two low base/neutral SU recoveries (58% & 56%)
NF4SE13-028-(1-2)	Hexachlorocyclopentadiene	UJ	low MS/MSD ave recovery (57.5%), two low base/neutral SU recoveries (58% & 56%)
NF4SE13-028-(1-2)	Hexachloroethane	UJ	low MS/MSD ave recovery (52%), two low base/neutral SU recoveries (58% & 56%)
NF4SE13-028-(1-2)	Indeno(1,2,3-cd)pyrene	UJ	low LCS/LCSD ave recovery (47.5%), two low base/neutral SU recoveries (58% & 56%)
NF4SE13-028-(1-2)	Isophorone	UJ	two low base/neutral SU recoveries (58% & 56%)
NF4SE13-028-(1-2)	Nitrobenzene	UJ	low MS/MSD ave recovery (58%), two low base/neutral SU recoveries (58% & 56%)
NF4SE13-028-(1-2)	n-Nitrosodimethylamine	UJ	low LCS/LCSD ave recovery (58.5%), low MS/MSD ave recovery (47.5%), two low base/neutral SU recoveries (58% & 56%)
NF4SE13-028-(1-2)	n-Nitrosodi-n-propylamine	UJ	low LCS/LCSD ave recovery (53.5%), low MS/MSD ave recovery (59%), two low base/neutral SU recoveries (58% & 56%)
NF4SE13-028-(1-2)	n-Nitrosodiphenylamine	UJ	two low base/neutral SU recoveries (58% & 56%)
NF4SE13-028-(1-2)	o-Cresol	UJ	low MS/MSD ave recovery (56.5%)
NF4SE13-028-(1-2)	Pentachlorophenol	UJ	low MS/MSD ave recovery (53%)
NF4SE13-028-(1-2)	Phenanthrene	UJ	two low base/neutral SU recoveries (58% & 56%)
NF4SE13-028-(1-2)	Phenol	UJ	low LCS/LCSD ave recovery (59.5%), low MS/MSD ave recovery (52%)
NF4SE13-028-(1-2)	Pyrene	UJ	two low base/neutral SU recoveries (58% & 56%)
NF4SE13-028-(1-2)	Pyridine	UJ	poor calibration fit (%RSD=39), two low base/neutral SU recoveries (58% & 56%)

QUALIFIED DATA TABLE

NF4SE13-028-(1-2) RE	4,4'-DDD	NS	extracted past 14-day hold time (on day 25); Result, SDL, SQL not dry-weight corrected; another analysis selected based on QC and the reported result
NF4SE13-028-(1-2) RE	4,4'-DDE	NS	extracted past 14-day hold time (on day 25); Result, SDL, SQL not dry-weight corrected; another analysis selected based on QC and the reported result
NF4SE13-028-(1-2) RE	4,4'-DDT	NS	extracted past 14-day hold time (on day 25); Result, SDL, SQL not dry-weight corrected; another analysis selected based on QC and the reported result
NF4SE13-028-(1-2) RE	Aldrin	NS	extracted past 14-day hold time (on day 25); Result, SDL, SQL not dry-weight corrected; another analysis selected based on QC and the reported result
NF4SE13-028-(1-2) RE	alpha-BHC	NS	extracted past 14-day hold time (on day 25); Result, SDL, SQL not dry-weight corrected; another analysis selected based on QC and the reported result
NF4SE13-028-(1-2) RE	alpha-Chlordane	NS	extracted past 14-day hold time (on day 25); Result, SDL, SQL not dry-weight corrected; another analysis selected based on QC and the reported result
NF4SE13-028-(1-2) RE	beta-BHC	NS	extracted past 14-day hold time (on day 25); Result, SDL, SQL not dry-weight corrected; another analysis selected based on QC and the reported result
NF4SE13-028-(1-2) RE	delta-BHC	NS	extracted past 14-day hold time (on day 25); Result, SDL, SQL not dry-weight corrected; another analysis selected based on QC and the reported result
NF4SE13-028-(1-2) RE	Dieldrin	NS	extracted past 14-day hold time (on day 25); Result, SDL, SQL not dry-weight corrected; another analysis selected based on QC and the reported result
NF4SE13-028-(1-2) RE	Endosulfan I	NS	extracted past 14-day hold time (on day 25); low LCS/LCSD ave recovery (54.5%); low MS/MSD ave recovery (51.5%); Result, SDL, SQL not dry-weight corrected; another analysis selected based on QC and the reported result
NF4SE13-028-(1-2) RE	Endosulfan II	NS	extracted past 14-day hold time (on day 25); Result, SDL, SQL not dry-weight corrected; another analysis selected based on QC and the reported result
NF4SE13-028-(1-2) RE	Endosulfan sulfate	NS	extracted past 14-day hold time (on day 25); Result, SDL, SQL not dry-weight corrected; another analysis selected based on QC and the reported result
NF4SE13-028-(1-2) RE	Endrin	NS	extracted past 14-day hold time (on day 25); Result, SDL, SQL not dry-weight corrected; another analysis selected based on QC and the reported result
NF4SE13-028-(1-2) RE	Endrin aldehyde	NS	extracted past 14-day hold time (on day 25); Result, SDL, SQL not dry-weight corrected; another analysis selected based on QC and the reported result
NF4SE13-028-(1-2) RE	Endrin ketone	NS	extracted past 14-day hold time (on day 25); Result, SDL, SQL not dry-weight corrected; another analysis selected based on QC and the reported result
NF4SE13-028-(1-2) RE	gamma-BHC (Lindane)	NS	extracted past 14-day hold time (on day 25); Result, SDL, SQL not dry-weight corrected; another analysis selected based on QC and the reported result
NF4SE13-028-(1-2) RE	gamma-Chlordane	NS	extracted past 14-day hold time (on day 25); Result, SDL, SQL not dry-weight corrected; another analysis selected based on QC and the reported result
NF4SE13-028-(1-2) RE	Heptachlor	NS	extracted past 14-day hold time (on day 25); Result, SDL, SQL not dry-weight corrected; another analysis selected based on QC and the reported result
NF4SE13-028-(1-2) RE	Heptachlor epoxide	NS	extracted past 14-day hold time (on day 25); Result, SDL, SQL not dry-weight corrected; another analysis selected based on QC and the reported result
NF4SE13-028-(1-2) RE	Methoxychlor	NS	extracted past 14-day hold time (on day 25); Result, SDL, SQL not dry-weight corrected; another analysis selected based on QC and the reported result

QUALIFIED DATA TABLE

NF4SE13-028-(1-2) RE	Toxaphene	NS	extracted past 14-day hold time (on day 25); Result, SDL, SQL not dry-weight corrected; another analysis selected based on QC and the reported result
SE-501	Antimony	J	result is between SDL and SQL, extremely low MS recovery (29%), low MS/MSD ave recovery (30%)
SE-501	Arsenic	J	result is between SDL and SQL
SE-501	Barium	J	poor field dup precision (76 RPD)
SE-501	Boron	UJ	low MS/MSD ave recovery (56%)
SE-501	Manganese	J	poor MS/MSD precision (41 RPD)
SE-501	Molybdenum	UJ	low MS/MSD ave recovery (68%)
SE-501	Endosulfan I	UJ	low LCS/LCSD ave recovery (37.5%), low MS/MSD ave recovery (40%)
SE-501	2-Butanone	UJ	calibration drift (%D= -24)
SE-501	Acetone	UJ	calibration drift (%D= -21)
SE-501	Acrolein	UJ	calibration drift (%D= -27), low MS/MSD ave recovery (32%)
SE-501	Acrylonitrile	UJ	calibration drift (%D= -28)
SE-501	Chloroethane	UJ	poor calibration fit (%RSD=16)
SE-501	Methyl Acetate	UJ	calibration drift (%D= -28), low MS/MSD ave recovery (27.5%)
SE-501	Methylene chloride	UJ	calibration drift (%D= -21)
SE-501	Vinyl acetate	UJ	calibration drift (%D= -22), low MS/MSD ave recovery (21.5%)
SE-501	1,2Diphenylhydrazine/Azobenzene	UJ	two low base/neutral SU recoveries (45% & 52%)
SE-501	2,4-Dinitrophenol	UJ	low instrument response (low RRF); elevate SDL for NDs 1.2x (Sed); low LCS/LCSD ave recovery (45.5%); low MS/MSD ave recovery (16.5%)
SE-501	2,4-Dinitrotoluene	UJ	two low base/neutral SU recoveries (45% & 52%)
SE-501	2,6-Dinitrotoluene	UJ	two low base/neutral SU recoveries (45% & 52%)
SE-501	2-Chloronaphthalene	UJ	two low base/neutral SU recoveries (45% & 52%)
SE-501	2-Chlorophenol	UJ	low MS/MSD ave recovery (59%)
SE-501	2-Methylnaphthalene	UJ	low MS/MSD ave recovery (58.5%), two low base/neutral SU recoveries (45% & 52%)
SE-501	2-Nitroaniline	UJ	two low base/neutral SU recoveries (45% & 52%)
SE-501	3,3'-Dichlorobenzidine	UJ	two low base/neutral SU recoveries (45% & 52%)
SE-501	3-Nitroaniline	UJ	low LCS/LCSD ave recovery (48%), low MS/MSD ave recovery (53.5%), two low base/neutral SU recoveries (45% & 52%)
SE-501	4,6-Dinitro-2-methylphenol	UJ	low instrument response (low RRF); elevate SDL for NDs 4x (Sed); low MS/MSD ave recovery (28%)
SE-501	4-Bromophenyl phenyl ether	UJ	two low base/neutral SU recoveries (45% & 52%)
SE-501	4-Chloroaniline	UJ	low LCS/LCSD ave recovery (54%), low MS/MSD ave recovery (53%), two low base/neutral SU recoveries (45% & 52%)
SE-501	4-Chlorophenyl phenyl ether	UJ	two low base/neutral SU recoveries (45% & 52%)
SE-501	4-Nitroaniline	UJ	two low base/neutral SU recoveries (45% & 52%)
SE-501	4-Nitrophenol	UJ	calibration drift (%D= -24), low LCS/LCSD ave recovery (58.5%), low MS/MSD ave recovery (51%)
SE-501	Acenaphthene	UJ	two low base/neutral SU recoveries (45% & 52%)
SE-501	Acenaphthylene	UJ	two low base/neutral SU recoveries (45% & 52%)
SE-501	Acetophenone	UJ	two low base/neutral SU recoveries (45% & 52%)
SE-501	Aniline	UJ	low MS/MSD ave recovery (47%), two low base/neutral SU recoveries (45% & 52%)
SE-501	Anthracene	UJ	two low base/neutral SU recoveries (45% & 52%)
SE-501	Atrazine (Aatrex)	UJ	two low base/neutral SU recoveries (45% & 52%)
SE-501	Benzaldehyde	UJ	poor calibration fit (%RSD=61), low MS/MSD ave recovery (50%), two low base/neutral SU recoveries (45% & 52%)

QUALIFIED DATA TABLE

SE-501	Benzidine	R	poor calibration fit (%RSD=24), calibration drift (%D= -31), extremely low LCSD recovery (7%), low LCS/LCSD ave recovery (10%), low MS/MSD ave recovery (32%), two low base/neutral SU recoveries (45% & 52%)
SE-501	Benzo(a)anthracene	UJ	two low base/neutral SU recoveries (45% & 52%)
SE-501	Benzo(a)pyrene	UJ	poor calibration fit (%RSD=20), two low base/neutral SU recoveries (45% & 52%)
SE-501	Benzo(b)fluoranthene	UJ	two low base/neutral SU recoveries (45% & 52%)
SE-501	Benzo(g,h,i)perylene	UJ	two low base/neutral SU recoveries (45% & 52%)
SE-501	Benzo(k)fluoranthene	UJ	two low base/neutral SU recoveries (45% & 52%)
SE-501	Benzoic acid	UJ	calibration drift (%D= -24), low LCS/LCSD ave recovery (56.5%), low MS/MSD ave recovery (19.5%), two low base/neutral SU recoveries (45% & 52%)
SE-501	Benzyl alcohol	UJ	two low base/neutral SU recoveries (45% & 52%)
SE-501	Biphenyl	UJ	two low base/neutral SU recoveries (45% & 52%)
SE-501	Bis(2-Chloroethoxy)methane	UJ	two low base/neutral SU recoveries (45% & 52%)
SE-501	Bis(2-Chloroethyl)ether	UJ	two low base/neutral SU recoveries (45% & 52%)
SE-501	Bis(2-Chloroisopropyl)ether	UJ	low MS/MSD ave recovery (55%), two low base/neutral SU recoveries (45% & 52%)
SE-501	Bis(2-Ethylhexyl)phthalate	U	laboratory blank contamination (15.3 J ug/Kg), two low base/neutral SU recoveries (45% & 52%), result is between SDL and SQL
SE-501	Butyl benzyl phthalate	UJ	two low base/neutral SU recoveries (45% & 52%)
SE-501	Caprolactam	UJ	two low base/neutral SU recoveries (45% & 52%)
SE-501	Carbazole	UJ	two low base/neutral SU recoveries (45% & 52%)
SE-501	Chrysene	UJ	two low base/neutral SU recoveries (45% & 52%)
SE-501	Dibenz(a,h)anthracene	UJ	two low base/neutral SU recoveries (45% & 52%)
SE-501	Dibenzofuran	UJ	low MS/MSD ave recovery (59.5%), two low base/neutral SU recoveries (45% & 52%)
SE-501	Diethyl phthalate	UJ	two low base/neutral SU recoveries (45% & 52%)
SE-501	Dimethyl phthalate	UJ	two low base/neutral SU recoveries (45% & 52%)
SE-501	Di-n-butyl phthalate	UJ	two low base/neutral SU recoveries (45% & 52%)
SE-501	Di-n-octyl phthalate	UJ	two low base/neutral SU recoveries (45% & 52%)
SE-501	Fluoranthene	UJ	two low base/neutral SU recoveries (45% & 52%)
SE-501	Fluorene	UJ	two low base/neutral SU recoveries (45% & 52%)
SE-501	Hexachlorobenzene	UJ	two low base/neutral SU recoveries (45% & 52%)
SE-501	Hexachlorocyclopentadiene	UJ	low MS/MSD ave recovery (57.5%), two low base/neutral SU recoveries (45% & 52%)
SE-501	Hexachloroethane	UJ	low MS/MSD ave recovery (52%), two low base/neutral SU recoveries (45% & 52%)
SE-501	Indeno(1,2,3-cd)pyrene	UJ	low LCS/LCSD ave recovery (47.5%), two low base/neutral SU recoveries (45% & 52%)
SE-501	Isophorone	UJ	two low base/neutral SU recoveries (45% & 52%)
SE-501	Nitrobenzene	UJ	low MS/MSD ave recovery (58%), two low base/neutral SU recoveries (45% & 52%)
SE-501	n-Nitrosodimethylamine	UJ	low LCS/LCSD ave recovery (58.5%), low MS/MSD ave recovery (47.5%), two low base/neutral SU recoveries (45% & 52%)
SE-501	n-Nitrosodi-n-propylamine	UJ	low LCS/LCSD ave recovery (53.5%), low MS/MSD ave recovery (59%), two low base/neutral SU recoveries (45% & 52%)
SE-501	n-Nitrosodiphenylamine	UJ	two low base/neutral SU recoveries (45% & 52%)
SE-501	o-Cresol	UJ	low MS/MSD ave recovery (56.5%)
SE-501	Pentachlorophenol	UJ	low MS/MSD ave recovery (53%)
SE-501	Phenanthrene	UJ	two low base/neutral SU recoveries (45% & 52%)
SE-501	Phenol	UJ	low LCS/LCSD ave recovery (59.5%), low MS/MSD ave recovery (52%)
SE-501	Pyrene	UJ	two low base/neutral SU recoveries (45% & 52%)

QUALIFIED DATA TABLE

SE-501	Pyridine	UJ	poor calibration fit (%RSD=39), two low base/neutral SU recoveries (45% & 52%)
SE-501 RE	4,4'-DDD	NS	extracted past 14-day hold time (on day 25); Result, SDL, SQL not dry-weight corrected; another analysis selected based on QC and the reported result
SE-501 RE	4,4'-DDE	NS	extracted past 14-day hold time (on day 25); Result, SDL, SQL not dry-weight corrected; another analysis selected based on QC and the reported result
SE-501 RE	4,4'-DDT	NS	extracted past 14-day hold time (on day 25); Result, SDL, SQL not dry-weight corrected; another analysis selected based on QC and the reported result
SE-501 RE	Aldrin	NS	extracted past 14-day hold time (on day 25); Result, SDL, SQL not dry-weight corrected; another analysis selected based on QC and the reported result
SE-501 RE	alpha-BHC	NS	extracted past 14-day hold time (on day 25); Result, SDL, SQL not dry-weight corrected; another analysis selected based on QC and the reported result
SE-501 RE	alpha-Chlordane	NS	extracted past 14-day hold time (on day 25); Result, SDL, SQL not dry-weight corrected; another analysis selected based on QC and the reported result
SE-501 RE	beta-BHC	NS	extracted past 14-day hold time (on day 25); Result, SDL, SQL not dry-weight corrected; another analysis selected based on QC and the reported result
SE-501 RE	delta-BHC	NS	extracted past 14-day hold time (on day 25); Result, SDL, SQL not dry-weight corrected; another analysis selected based on QC and the reported result
SE-501 RE	Dieldrin	NS	extracted past 14-day hold time (on day 25); Result, SDL, SQL not dry-weight corrected; another analysis selected based on QC and the reported result
SE-501 RE	Endosulfan I	NS	extracted past 14-day hold time (on day 25); low LCS/LCSD ave recovery (54.5%); low MS/MSD ave recovery (51.5%); Result, SDL, SQL not dry-weight corrected; another analysis selected based on QC and the reported result
SE-501 RE	Endosulfan II	NS	extracted past 14-day hold time (on day 25); Result, SDL, SQL not dry-weight corrected; another analysis selected based on QC and the reported result
SE-501 RE	Endosulfan sulfate	NS	extracted past 14-day hold time (on day 25); Result, SDL, SQL not dry-weight corrected; another analysis selected based on QC and the reported result
SE-501 RE	Endrin	NS	extracted past 14-day hold time (on day 25); Result, SDL, SQL not dry-weight corrected; another analysis selected based on QC and the reported result
SE-501 RE	Endrin aldehyde	NS	extracted past 14-day hold time (on day 25); Result, SDL, SQL not dry-weight corrected; another analysis selected based on QC and the reported result
SE-501 RE	Endrin ketone	NS	extracted past 14-day hold time (on day 25); Result, SDL, SQL not dry-weight corrected; another analysis selected based on QC and the reported result
SE-501 RE	gamma-BHC (Lindane)	NS	extracted past 14-day hold time (on day 25); Result, SDL, SQL not dry-weight corrected; another analysis selected based on QC and the reported result
SE-501 RE	gamma-Chlordane	NS	extracted past 14-day hold time (on day 25); Result, SDL, SQL not dry-weight corrected; another analysis selected based on QC and the reported result
SE-501 RE	Heptachlor	NS	extracted past 14-day hold time (on day 25); Result, SDL, SQL not dry-weight corrected; another analysis selected based on QC and the reported result
SE-501 RE	Heptachlor epoxide	NS	extracted past 14-day hold time (on day 25); Result, SDL, SQL not dry-weight corrected; another analysis selected based on QC and the reported result
SE-501 RE	Methoxychlor	NS	extracted past 14-day hold time (on day 25); Result, SDL, SQL not dry-weight corrected; another analysis selected based on QC and the reported result

QUALIFIED DATA TABLE

SE-501 RE	Toxaphene	NS	extracted past 14-day hold time (on day 25); Result, SDL, SQL not dry-weight corrected; another analysis selected based on QC and the reported result
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ATTACHMENT 1

Sample_ID	Lab_Sample_ID	Test_type_code	Analytical_Method	Total_or_dissolved	Matrix	Parameter	Valid_qualifier	Result_type_code	Prep_date	Prep_time	Analysis_Date	Analysis_Time	QC_comment	QC_Batch
MB for HBN 328818 [DIGM/12297]	394384	LB	SW6010B	total	S	Aluminum	U to RRs <= 5 x BlankEquivConc (none)	TRG	7/27/06	9:30	7/27/06	15:14	laboratory blank contamination (3.01 B mg/kg)	328907
MB for HBN 328818 [DIGM/12297]	394384	LB	SW6010B	total	S	Antimony	U to RRs <= 5 x BlankEquivConc (none)	TRG	7/27/06	9:30	7/27/06	15:14	laboratory blank contamination (0.27 B mg/kg)	328907
NE3SE16-030-(1-2) MS	20607260102	MS	SW6010B	total	S	Antimony	J- / R to RRs/NDs	TRG	7/27/06	9:30	7/27/06	16:20	extremely low MS recovery (29%)	328907
NE3SE16-030-(1-2) MSD	20607260103	MSD	SW6010B	total	S	Antimony	J- / UJ to RRs/NDs	TRG	7/27/06	9:30	7/27/06	16:26	low MS/MSD ave recovery (30%)	328907
MB for HBN 328818 [DIGM/12297]	394384	LB	SW6010B	total	S	Barium	U to RRs <= 5 x BlankEquivConc (none)	TRG	7/27/06	9:30	7/27/06	15:14	laboratory blank contamination (0.082 B mg/kg)	328907
NE3SE16-030-(1-2) MSD	20607260103	MSD	SW6010B	total	S	Barium	none (waived due to high parent conc)	TRG	7/27/06	9:30	7/27/06	16:26	low MS/MSD ave recovery (30%)	328907
SE-501	20607260105	SMP	SW6010B	total	S	Barium	J to RRs	TRG	7/27/06	9:30	7/27/06	16:52	poor field dup precision (76 RPD)	328907
NE3SE16-030-(1-2) MSD	20607260103	MSD	SW6010B	total	S	Boron	J- / UJ to RRs/NDs	TRG	7/27/06	9:30	7/27/06	16:26	low MS/MSD ave recovery (56%)	328907
MB for HBN 328818 [DIGM/12297]	394384	LB	SW6010B	total	S	Cadmium	U to RRs <= 5 x BlankEquivConc (none)	TRG	7/27/06	9:30	7/27/06	15:14	laboratory blank contamination (0.035 B mg/kg)	328907
MB for HBN 328818 [DIGM/12297]	394384	LB	SW6010B	total	S	Manganese	U to RRs <= 5 x BlankEquivConc (none)	TRG	7/27/06	9:30	7/27/06	15:14	laboratory blank contamination (0.046 B mg/kg)	328907
NE3SE16-030-(1-2) MSD	20607260103	MSD	SW6010B	total	S	Manganese	J to RRs	TRG	7/27/06	9:30	7/27/06	16:26	poor MS/MSD precision (41 RPD)	328907
NE3SE16-030-(1-2) MSD	20607260103	MSD	SW6010B	total	S	Molybdenum	J- / UJ to RRs/NDs	TRG	7/27/06	9:30	7/27/06	16:26	low MS/MSD ave recovery (68%)	328907
MB for HBN 328818 [DIGM/12297]	394384	LB	SW6010B	total	S	Silver	U to RRs <= 5 x BlankEquivConc (none)	TRG	7/27/06	9:30	7/27/06	15:14	laboratory blank contamination (0.23 B mg/kg)	328907
MB for HBN 328818 [DIGM/12297]	394384	LB	SW6010B	total	S	Strontium	U to RRs <= 5 x BlankEquivConc (none)	TRG	7/27/06	9:30	7/27/06	15:14	laboratory blank contamination (0.051 B mg/kg)	328907
MB for HBN 328818 [DIGM/12297]	394384	LB	SW6010B	total	S	Tin	U to RRs <= 5 x BlankEquivConc (none)	TRG	7/27/06	9:30	7/27/06	15:14	laboratory blank contamination (0.56 B mg/kg)	328907
MB for HBN 328818 [DIGM/12297]	394384	LB	SW6010B	total	S	Titanium	U to RRs <= 5 x BlankEquivConc (none)	TRG	7/27/06	9:30	7/27/06	15:14	laboratory blank contamination (0.07 B mg/kg)	328907
MB for HBN 328818 [DIGM/12297]	394384	LB	SW6010B	total	S	Vanadium	U to RRs <= 5 x BlankEquivConc (none)	TRG	7/27/06	9:30	7/27/06	15:14	laboratory blank contamination (0.19 B mg/kg)	328907
MB for HBN 328818 [DIGM/12297]	394384	LB	SW6010B	total	S	Zinc	U to RRs <= 5 x BlankEquivConc (none)	TRG	7/27/06	9:30	7/27/06	15:14	laboratory blank contamination (0.89 mg/kg)	328907
NE3SE16-030-(1-2) RE	20607260107	SMP	SW8081A		S	all Pesticides	J / UJ to RRs/NDs	TRG	8/18/06	11:30	8/19/06	2:24	extracted past 14-day hold time (on day 25)	331043

ATTACHMENT 1

NF4SE13-028-(1-2) RE	20607260110	SMP	SW8081A		S	all Pesticides	J / UJ to RRs/NDs	TRG	8/18/06	11:30	8/19/06	3:27	extracted past 14-day hold time (on day 25)	331043
SE-501 RE	20607260111	SMP	SW8081A		S	all Pesticides	J / UJ to RRs/NDs	TRG	8/18/06	11:30	8/19/06	3:48	extracted past 14-day hold time (on day 25)	331043
LCSD for HBN 328809 [EXTO/1431]	394329	LCSD	SW8081A		S	Endosulfan I	J- / UJ to RRs/NDs	TRG	7/26/06	15:00	7/27/06	20:30	low LCS/LCSD ave recovery (37.5%)	330588
LCSD for HBN 330895 [EXTO/1453]	402085	LCSD	SW8081A		S	Endosulfan I	J- / UJ to RRs/NDs	TRG	8/18/06	11:30	8/19/06	2:03	low LCS/LCSD ave recovery (54.5%)	331043
NE3SE16-030-(1-2) MSD	20607260103	MSD	SW8081A		S	Endosulfan I	J- / UJ to RRs/NDs	TRG	7/26/06	15:00	7/27/06	23:00	low MS/MSD ave recovery (40%)	330588
NE3SE16-030-(1-2) MSD RE	20607260109	MSD	SW8081A		S	Endosulfan I	J- / UJ to RRs/NDs	TRG	8/18/06	11:30	8/19/06	3:06	low MS/MSD ave recovery (51.5%)	331043
x	V4707	CCV1	SW8260B			2-Butanone	J- / UJ to RRs/NDs	VOC			7/27/06	21:55	calibration drift (%D= -24)	
x	V4707	CCV1	SW8260B			Acetone	J- / UJ to RRs/NDs	VOC			7/27/06	21:55	calibration drift (%D= -21)	
COC1137-TB	20607260106	TRIPBK	SW8260B		W	Acetone	U to RRs <= 10 x BlankEquivConc (none)	TRG			8/2/06	9:52	trip blank contamination (2.81 J ug/L)	329238
LCSD for HBN 328956 [MSV/8769]	395135	LCSD	SW8260B		S	Acetone	J to RRs (none)	TRG			7/27/06	23:26	poor LCS/LCSD precision (62 RPD)	328956
NE3SE16-030-(1-2) MSD	20607260103	MSD	SW8260B		S	Acetone	J to RRs (none)	TRG			7/28/06	7:51	poor MS/MSD precision (104 RPD)	328956
x	V4707	CCV1	SW8260B			Acrolein	J- / UJ to RRs/NDs	VOC			7/27/06	21:55	calibration drift (%D= -27)	
NE3SE16-030-(1-2) MSD	20607260103	MSD	SW8260B		S	Acrolein	J- / UJ to RRs/NDs	TRG			7/28/06	7:51	low MS/MSD ave recovery (32%)	328956
NE3SE16-030-(1-2) MSD	20607260103	MSD	SW8260B		S	Acrolein	J to RRs (none)	TRG			7/28/06	7:51	poor MS/MSD precision (82 RPD)	328956
x	V4707	CCV1	SW8260B			Acrylonitrile	J- / UJ to RRs/NDs	VOC			7/27/06	21:55	calibration drift (%D= -28)	
x	V4681	ICAL1	SW8260B			Chloroethane	J / UJ to RRs/NDs	VOC			7/27/06	9:21	poor calibration fit (%RSD=16)	
x	V4707	CCV1	SW8260B			Hexachlorobutadiene	J+ to RRs (none)	VOC			7/27/06	21:55	calibration drift (%D= 23)	
x	V4707	CCV1	SW8260B			Isopropylbenzene	J+ to RRs (none)	VOC			7/27/06	21:55	calibration drift (%D= 23)	
x	V4707	CCV1	SW8260B			Methyl acetate	J- / UJ to RRs/NDs	VOC			7/27/06	21:55	calibration drift (%D= -28)	
NE3SE16-030-(1-2) MSD	20607260103	MSD	SW8260B		S	Methyl Acetate	J- / UJ to RRs/NDs	TRG			7/28/06	7:51	low MS/MSD ave recovery (27.5%)	328956

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NE3SE16-030-(1-2) MSD	20607260103	MSD	SW8260B		S	Methyl Acetate	J to RRs (none)	TRG			7/28/06	7:51	poor MS/MSD precision (82 RPD)	328956
x	V4707	CCV1	SW8260B			Methyl cyclohexane	J+ to RRs (none)	VOC			7/27/06	21:55	calibration drift (%D= 22)	
x	V4707	CCV1	SW8260B			Methylene chloride	J- / UJ to RRs/NDs	VOC			7/27/06	21:55	calibration drift (%D= -21)	
MB for HBN 328956 [MSV/8769]	395133	LB	SW8260B		S	Naphthalene	U to RRs <= 5 x BlankEquivConc (none)	TRG			7/28/06	0:14	laboratory blank contamination (4.42 J ug/Kg)	328956
x	V4707	CCV1	SW8260B			Tetrachloroethene	J+ to RRs (none)	VOC			7/27/06	21:55	calibration drift (%D= 30)	
x	V4707	CCV1	SW8260B			Vinyl acetate	J- / UJ to RRs/NDs	VOC			7/27/06	21:55	calibration drift (%D= -22)	
NE3SE16-030-(1-2) MSD	20607260103	MSD	SW8260B		S	Vinyl acetate	J- / UJ to RRs/NDs	TRG			7/28/06	7:51	low MS/MSD ave recovery (21.5%)	328956
NE3SE16-030-(1-2) MSD	20607260103	MSD	SW8260B		S	Vinyl acetate	J to RRs (none)	TRG			7/28/06	7:51	poor MS/MSD precision (63 RPD)	328956
x	C0362	ICAL1	SW8270C			2,4-Dinitrophenol	J / UJ to RRs/NDs	SVOC			7/26/06	13:38	low instrument response (low RRF); elevate SDL for NDs 1.2x (Sed)	
LCSD for HBN 328808 [EXTO/1431]	394326	LCSD	SW8270C		S	2,4-Dinitrophenol	J- / UJ to RRs/NDs	TRG	7/26/06	14:00	7/27/06	10:14	low LCS/LCSD ave recovery (45.5%)	328912
NE3SE16-030-(1-2) MSD	20607260103	MSD	SW8270C		S	2,4-Dinitrophenol	J- / UJ to RRs/NDs	TRG	7/26/06	14:00	7/27/06	11:29	low MS/MSD ave recovery (16.5%)	328912
NE3SE16-030-(1-2) MSD	20607260103	MSD	SW8270C		S	2,4-Dinitrophenol	J to RRs (none)	TRG	7/26/06	14:00	7/27/06	11:29	poor MS/MSD precision (79 RPD)	328912
NE3SE16-030-(1-2) MSD	20607260103	MSD	SW8270C		S	2-Chlorophenol	J- / UJ to RRs/NDs	TRG	7/26/06	14:00	7/27/06	11:29	low MS/MSD ave recovery (59%)	328912
NE3SE16-030-(1-2) MSD	20607260103	MSD	SW8270C		S	2-Methylnaphthalene	J- / UJ to RRs/NDs	TRG	7/26/06	14:00	7/27/06	11:29	low MS/MSD ave recovery (58.5%)	328912
LCSD for HBN 328808 [EXTO/1431]	394326	LCSD	SW8270C		S	3-Nitroaniline	J- / UJ to RRs/NDs	TRG	7/26/06	14:00	7/27/06	10:14	low LCS/LCSD ave recovery (48%)	328912
NE3SE16-030-(1-2) MSD	20607260103	MSD	SW8270C		S	3-Nitroaniline	J- / UJ to RRs/NDs	TRG	7/26/06	14:00	7/27/06	11:29	low MS/MSD ave recovery (53.5%)	328912
NE3SE16-030-(1-2) MSD	20607260103	MSD	SW8270C		S	4,6-Dinitro-2-methylphenol	J- / UJ to RRs/NDs	TRG	7/26/06	14:00	7/27/06	11:29	low MS/MSD ave recovery (28%)	328912
NE3SE16-030-(1-2) MSD	20607260103	MSD	SW8270C		S	4,6-Dinitro-2-methylphenol	J to RRs (none)	TRG	7/26/06	14:00	7/27/06	11:29	poor MS/MSD precision (77 RPD)	328912
x	C0362	ICAL1	SW8270C			4,6-Dinitro-2-methylphenol	J / UJ to RRs/NDs	SVOC			7/26/06	13:38	low instrument response (low RRF); elevate SDL for NDs 4x (Sed)	
LCSD for HBN 328808 [EXTO/1431]	394326	LCSD	SW8270C		S	4-Chloroaniline	J- / UJ to RRs/NDs	TRG	7/26/06	14:00	7/27/06	10:14	low LCS/LCSD ave recovery (54%)	328912

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NE3SE16-030-(1-2) MSD	20607260103	MSD	SW8270C		S	4-Chloroaniline	J- / UJ to RRs/NDs	TRG	7/26/06	14:00	7/27/06	11:29	low MS/MSD ave recovery (53%)	328912
x	C0411	CCV1	SW8270C			4-Nitrophenol	J- / UJ to RRs/NDs	SVOC			7/27/06	9:22	calibration drift (%D= -24)	
LCSD for HBN 328808 [EXTO/1431]	394326	LCSD	SW8270C		S	4-Nitrophenol	J- / UJ to RRs/NDs	TRG	7/26/06	14:00	7/27/06	10:14	low LCS/LCSD ave recovery (58.5%)	328912
NE3SE16-030-(1-2) MSD	20607260103	MSD	SW8270C		S	4-Nitrophenol	J- / UJ to RRs/NDs	TRG	7/26/06	14:00	7/27/06	11:29	low MS/MSD ave recovery (51%)	328912
NE3SE16-030-(1-2) MSD	20607260103	MSD	SW8270C		S	Aniline	J- / UJ to RRs/NDs	TRG	7/26/06	14:00	7/27/06	11:29	low MS/MSD ave recovery (47%)	328912
x	C0362	ICAL1	SW8270C			Benzaldehyde	J / UJ to RRs/NDs	SVOC			7/26/06	13:38	poor calibration fit (%RSD=61)	
x	C0411	CCV1	SW8270C			Benzaldehyde	J+ to RRs (none)	SVOC			7/27/06	9:22	calibration drift (%D= 51)	
NE3SE16-030-(1-2) MSD	20607260103	MSD	SW8270C		S	Benzaldehyde	J- / UJ to RRs/NDs	TRG	7/26/06	14:00	7/27/06	11:29	low MS/MSD ave recovery (50%)	328912
x	C0362	ICAL1	SW8270C			Benzidine	J / UJ to RRs/NDs	SVOC			7/26/06	13:38	poor calibration fit (%RSD=24)	
x	C0411	CCV1	SW8270C			Benzidine	J- / UJ to RRs/NDs	SVOC			7/27/06	9:22	calibration drift (%D= -31)	
LCSD for HBN 328808 [EXTO/1431]	394326	LCSD	SW8270C		S	Benzidine	J- / R to RRs/NDs	TRG	7/26/06	14:00	7/27/06	10:14	extremely low LCSD recovery (7%)	328912
LCSD for HBN 328808 [EXTO/1431]	394326	LCSD	SW8270C		S	Benzidine	J- / UJ to RRs/NDs	TRG	7/26/06	14:00	7/27/06	10:14	low LCS/LCSD ave recovery (10%)	328912
NE3SE16-030-(1-2) MSD	20607260103	MSD	SW8270C		S	Benzidine	J- / UJ to RRs/NDs	TRG	7/26/06	14:00	7/27/06	11:29	low MS/MSD ave recovery (32%)	328912
LCSD for HBN 328808 [EXTO/1431]	394326	LCSD	SW8270C		S	Benzidine	J to RRs (none)	TRG	7/26/06	14:00	7/27/06	10:14	poor LCS/LCSD precision (51 RPD)	328912
x	C0362	ICAL1	SW8270C			Benzo(a)pyrene	J / UJ to RRs/NDs	SVOC			7/26/06	13:38	poor calibration fit (%RSD=20)	
x	C0411	CCV1	SW8270C			Benzoic acid	J- / UJ to RRs/NDs	SVOC			7/27/06	9:22	calibration drift (%D= -24)	
LCSD for HBN 328808 [EXTO/1431]	394326	LCSD	SW8270C		S	Benzoic acid	J- / UJ to RRs/NDs	TRG	7/26/06	14:00	7/27/06	10:14	low LCS/LCSD ave recovery (56.5%)	328912
NE3SE16-030-(1-2) MSD	20607260103	MSD	SW8270C		S	Benzoic acid	J- / UJ to RRs/NDs	TRG	7/26/06	14:00	7/27/06	11:29	low MS/MSD ave recovery (19.5%)	328912
NE3SE16-030-(1-2) MSD	20607260103	MSD	SW8270C		S	Bis(2-Chloroisopropyl)ether	J- / UJ to RRs/NDs	TRG	7/26/06	14:00	7/27/06	11:29	low MS/MSD ave recovery (55%)	328912
MB for HBN 328808 [EXTO/14312]	394324	LB	SW8270C		S	Bis(2-Ethylhexyl)phthalate	U to RRs <= 10 x BlankEquivConc	TRG	7/26/06	14:00	7/27/06	9:43	laboratory blank contamination (15.3 J ug/Kg)	328912

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NE3SE16-030-(1-2) MSD	20607260103	MSD	SW8270C		S	Dibenzofuran	J- / UJ to RRs/NDs	TRG	7/26/06	14:00	7/27/06	11:29	low MS/MSD ave recovery (59.5%)	328912
NE3SE16-030-(1-2) MSD	20607260103	MSD	SW8270C		S	Hexachlorocyclopentadiene	J- / UJ to RRs/NDs	TRG	7/26/06	14:00	7/27/06	11:29	low MS/MSD ave recovery (57.5%)	328912
NE3SE16-030-(1-2) MSD	20607260103	MSD	SW8270C		S	Hexachloroethane	J- / UJ to RRs/NDs	TRG	7/26/06	14:00	7/27/06	11:29	low MS/MSD ave recovery (52%)	328912
LCSD for HBN 328808 [EXTO/1431]	394326	LCSD	SW8270C		S	Indeno(1,2,3-cd)pyrene	J- / UJ to RRs/NDs	TRG	7/26/06	14:00	7/27/06	10:14	low LCS/LCSD ave recovery (47.5%)	328912
NE3SE16-030-(1-2) MSD	20607260103	MSD	SW8270C		S	Indeno(1,2,3-cd)pyrene	J to RRs (none)	TRG	7/26/06	14:00	7/27/06	11:29	poor MS/MSD precision (43 RPD)	328912
NE3SE16-030-(1-2) MSD	20607260103	MSD	SW8270C		S	Nitrobenzene	J- / UJ to RRs/NDs	TRG	7/26/06	14:00	7/27/06	11:29	low MS/MSD ave recovery (58%)	328912
LCSD for HBN 328808 [EXTO/1431]	394326	LCSD	SW8270C		S	n-Nitrosodimethylamine	J- / UJ to RRs/NDs	TRG	7/26/06	14:00	7/27/06	10:14	low LCS/LCSD ave recovery (58.5%)	328912
NE3SE16-030-(1-2) MSD	20607260103	MSD	SW8270C		S	n-Nitrosodimethylamine	J- / UJ to RRs/NDs	TRG	7/26/06	14:00	7/27/06	11:29	low MS/MSD ave recovery (47.5%)	328912
LCSD for HBN 328808 [EXTO/1431]	394326	LCSD	SW8270C		S	n-Nitrosodi-n-propylamine	J- / UJ to RRs/NDs	TRG	7/26/06	14:00	7/27/06	10:14	low LCS/LCSD ave recovery (53.5%)	328912
NE3SE16-030-(1-2) MSD	20607260103	MSD	SW8270C		S	n-Nitrosodi-n-propylamine	J- / UJ to RRs/NDs	TRG	7/26/06	14:00	7/27/06	11:29	low MS/MSD ave recovery (59%)	328912
NE3SE16-030-(1-2) MSD	20607260103	MSD	SW8270C		S	o-Cresol	J- / UJ to RRs/NDs	TRG	7/26/06	14:00	7/27/06	11:29	low MS/MSD ave recovery (56.5%)	328912
NE3SE16-030-(1-2) MSD	20607260103	MSD	SW8270C		S	Pentachlorophenol	J- / UJ to RRs/NDs	TRG	7/26/06	14:00	7/27/06	11:29	low MS/MSD ave recovery (53%)	328912
NE3SE16-030-(1-2) MSD	20607260103	MSD	SW8270C		S	Pentachlorophenol	J to RRs (none)	TRG	7/26/06	14:00	7/27/06	11:29	poor MS/MSD precision (60 RPD)	328912
LCSD for HBN 328808 [EXTO/1431]	394326	LCSD	SW8270C		S	Phenol	J- / UJ to RRs/NDs	TRG	7/26/06	14:00	7/27/06	10:14	low LCS/LCSD ave recovery (59.5%)	328912
NE3SE16-030-(1-2) MSD	20607260103	MSD	SW8270C		S	Phenol	J- / UJ to RRs/NDs	TRG	7/26/06	14:00	7/27/06	11:29	low MS/MSD ave recovery (52%)	328912
x	C0362	ICAL1	SW8270C			Pyridine	J / UJ to RRs/NDs	SVOC			7/26/06	13:38	poor calibration fit (%RSD=39)	
x	C0411	CCV1	SW8270C			Pyridine	J+ to RRs (none)	SVOC			7/27/06	9:22	calibration drift (%D= 48)	
NF4SE13-028-(1-2)	20607260104	SMP	SW8270C		S	2,4,6-Tribromophenol	none (only one of multiple surrogates is deficient)	SUR	7/26/06	14:00	7/27/06	11:44	low acid SU recovery (55%)	328912
NF4SE13-028-(1-2)	20607260104	SMP	SW8270C		S	2-Fluorobiphenyl	J- / UJ to RRs/NDs for B/N (non-phenolic) analytes	SUR	7/26/06	14:00	7/27/06	11:44	low base/neutral SU recovery (56%)	328912
NF4SE13-028-(1-2)	20607260104	SMP	SW8270C		S	Nitrobenzene-d5	J- / UJ to RRs/NDs for B/N (non-phenolic) analytes	SUR	7/26/06	14:00	7/27/06	11:44	low base/neutral SU recovery (58%)	328912

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SE-501	20607260105	SMP	SW8270C		S	2,4,6-Tribromophenol	none (only one of multiple surrogates is deficient)	SUR	7/26/06	14:00	7/27/06	11:59	low acid SU recovery (47%)	328912
SE-501	20607260105	SMP	SW8270C		S	2-Fluorobiphenyl	J- / UJ to RRs/NDs for B/N (non-phenolic) analytes	SUR	7/26/06	14:00	7/27/06	11:59	low base/neutral SU recovery (45%)	328912
SE-501	20607260105	SMP	SW8270C		S	Nitrobenzene-d5	J- / UJ to RRs/NDs for B/N (non-phenolic) analytes	SUR	7/26/06	14:00	7/27/06	11:59	low base/neutral SU recovery (52%)	328912

DATA VALIDATION CHECKLIST (Level III)				
Client Name: Pastor, Behling, & Wheeler	Project Number: 1352			
Property Location: Gulfco Superfund Site	Project Manager: Eric Pastor			
Laboratory: GCAL – Baton Rouge, LA GEL – Charleston, SC	Laboratory Job No.: GCAL - 206080915* GEL - 167394			
Reviewer: (QAA, L.L.C.) DAF	Date Checked: 9/12/06			
ITEM	Yes	No	NA	Comment Number
Chain of Custody (COC) and Sample Receipt at Lab				
1. Signed COCs included and seals used?	X			
2. Date and time of sample collection included?	X			
3. All samples listed on the COC analyzed for in accordance with the RI/FS Work Plan?	X			
4. Field QC sample frequency met project requirements?			X	
5. Sample receipt temperature 2-6°C?	X			
6. Samples preserved appropriately?	X			
7. Samples received within 2 days of collection?	X			from GCAL
8. No problems noted?	X			
Laboratory Report and Data Package				
9. Signed Case Narrative included?	X			
10. No analytical discrepancies noted in case narrative?		X		10.
11. Elevated reporting limits justified?			X	
12. MDLs reasonable per DCS?			X	12.
13. Calibration data acceptable?	X			ecd8a 072506
14. ICV and CCV recoveries within project control limits?		X		14.
15. ICB and CCB results <RL (MQL)?			X	
16. Internal standard areas within project control limits?			X	
Laboratory EDD				
17. Field sample IDs included?		X		17.
18. Laboratory sample IDs included?	X			
19. Date of analysis included?	X			
20. Date of sample preparation included?	X			
21. Samples prepared within holding time?	X			
22. Samples analyzed within holding time?	X			
23. Detection limit and quantitation limit included?	X			
24. Project target limits achieved?	X			
25. No elevated reporting limits?	X			
26. Method references included?	X			
27. Sample matrix included?	X			
28. Sample result units reported correctly?	X			in ug/kg
29. Soil/ sediment results corrected for dry-weight?	X			
30. Method blank results <RL (MDL)?	X			
31. Equipment and Trip blank results <RL (MDL)?			X	
32. All COIs included in LCS?	X			
33. LCS recovery within project control limits?	X			
34. MS/MSD recoveries within project control limits?			X	34.
35. LCS/LCSD RPDs within project control limits?	X			
36. MS/MSD RPDs within project control limits?			X	
37. Laboratory duplicate RPDs/Diffs within project control limits?			X	
38. Field duplicate RPDs/Diffs within project control limits?			X	
39. Surrogate recoveries within project control limits?	X			
40. Completeness percentage within project limits?	X			

<p>Definitions: CCB – Continuing Calibration Blank; CCV – Continuing Calibration Verification; COI – Compounds of Interest; DCS – Detectability Check Sample; ICB – Initial Calibration Blank; ICV – Initial Calibration Verification; LCS – Laboratory Control Sample; LCSD – Laboratory Control Sample Duplicate; MDL – Method Detection Limit; MS/MSD – Matrix Spike/Matrix Spike Duplicate; RL – Reporting Limit; RPD – Relative Percent Difference</p>							
COMMENTS							
* set was originally logged in as 206071714 and then changed to 206080915 when separated from surface water samples							
10. Issues noted. All are based on laboratory limits, which do not affect flagging for this site, except:							
Two TAs failed CCV acceptance criteria on one column for this SDG.							
Elemental mercury and alumina cleanup used for sample extracts							
12. GEL laboratory packages do not include quantitation reports, chromatograms, or MDL/DCS documentation. Since all samples are ND and all QC information is available on summary forms, no further action was taken.							
14. %D for CCVs outside criteria as follows. No flagging as both TAs are ND in the sample and thus not affected by negative bias (negative %D) on just one column or positive bias (positive %D) on either column.							
CCV1 Tetrachlorobiphenyl (77)		-16%					
CCV1-End 2,2',5-Trichlorobiphenyl (18)		+18%					
17. Analyses were subcontracted and thus the field Sample ID is the primary Lab ID (from GCAL). Also, this sample was originally logged in as Lab ID 20607171403 and the ID was not changed when the work order number was changed as noted above.							
34. Sample batched with an MS/MSD prepared using a soil boring from the site. Data not used to assess quality for this on-site sediment. LCS/LCSD used to assess accuracy and precision. Note also that an MS/MSD was prepared using an on-site sediment for set 206072604 and the pair passed all QC requirements.							

SET SUMMARY
LABORATORY JOB NO.: 206080915

1	Number of Field Samples including Field Duplicates (0)
0	Number of Field MS/MSD Pairs
0	Number of Equipment Rinsate Blanks
0	Number of Field Blanks
NA	Number of VOC Trip Blanks
1	Number of Parameters (PCB Congeners)
31	Number of Target Analytes per Sample
31	Total Measurements for Field Samples
31	Number of measurements with no validation qualifier (i.e., "none" in EDD)
0	Number of measurements with UJ flag
0	Number of measurements with J- flag
0	Number of measurements with J flag
0	Number of measurements with J+ flag
0	Number of measurements with U flag
0	Number of measurement with NS flag
0	Number of measurements with R flag
100%	Completeness-to-date on a sample level (percentage of sediment samples with usable data, project goal 90%)
100%	Completeness-to-date on an analyte level (percentage of sediment samples with usable data for a specific analyte, project goal 80%) – PCB Congeners

Usability: All data suitable for the intended use

DATA VALIDATION CHECKLIST (Level III)				
ITEM	Yes	No	NA	Comment Number
Client Name: Pastor, Behling, & Wheeler				Project Number: 1352
Property Location: Gulfco Superfund Site				Project Manager: Eric Pastor
Laboratory: GCAL – Baton Rouge, LA				Laboratory Job No.: 206080303
Reviewer: Taryn Scholz/ Don Flory (QAA, L.L.C.)				Date Checked: 9/15/06
Chain of Custody (COC) and Sample Receipt at Lab				
1. Signed COCs included and seals used?	x			1.
2. Date and time of sample collection included?	x			
3. All samples listed on the COC analyzed for in accordance with the RI/FS Work Plan?				
4. Field QC sample frequency met project requirements?	x			4.
5. Sample receipt temperature 2-6°C?	x			
6. Samples preserved appropriately?	x			
7. Samples received within 2 days of collection?	x			
8. No problems noted?	x			
Laboratory Report and Data Package				
9. Signed Case Narrative included?	x			
10. No analytical discrepancies noted in case narrative?		x		10.
11. Elevated reporting limits justified?		x		11.
12. MDLs reasonable per DCS?	x			
13. Calibration data acceptable?		x		see attached
14. ICV and CCV recoveries within project control limits?		x		see attached
15. ICB and CCB results <RL (MQL)?	x			
16. Internal standard areas within project control limits?		x		see attached
Laboratory EDD				
17. Field sample IDs included?	x			
18. Laboratory sample IDs included?	x			
19. Date of analysis included?	x			
20. Date of sample preparation included?	x			20.
21. Samples prepared within holding time?	x			
22. Samples analyzed within holding time?	x			
23. Detection limit and quantitation limit included?	x			
24. Project target limits achieved?	x			
25. No elevated reporting limits?		x		11.
26. Method references included?	x			
27. Sample matrix included?	x			
28. Sample result units reported correctly?	x			in mg/kg
29. Soil/ sediment results corrected for dry-weight?	x			
30. Method blank results <RL (MDL)?		x		see attached
31. Equipment and Trip blank results <RL (MDL)?		x		see attached
32. All COIs included in LCS?	x			32.
33. LCS recovery within project control limits?		x		see attached
34. MS/MSD recoveries within project control limits?		x		34.
35. LCS/LCSD RPDs within project control limits?		x		see attached
36. MS/MSD RPDs within project control limits?			x	no MSD
37. Laboratory duplicate RPDs/Diffs within project control limits?		x		see attached
38. Field duplicate RPDs/Diffs within project control limits?			x	no FDUP
39. Surrogate recoveries within project control limits?		x		see attached
40. Completeness percentage within project limits?	x			

<p>Definitions: CCB – Continuing Calibration Blank; CCV – Continuing Calibration Verification; COI – Compounds of Interest; DCS – Detectability Check Sample; ICB – Initial Calibration Blank; ICV – Initial Calibration Verification; LCS – Laboratory Control Sample; LCSD – Laboratory Control Sample Duplicate; MDL – Method Detection Limit; MS/MSD – Matrix Spike/Matrix Spike Duplicate; RL – Reporting Limit; RPD – Relative Percent Difference</p>				
COMMENTS				
Level IV Check - GC/MS RRF for instrument calibration also included in Level III checks after deficiencies noted in first samples – see attached for deficiencies noted				
1. Sampler did not sign page 1 of 2 – corrected on site copy				
4. No FDUP collected with this set. Only 1 field dup collected for 28 on-site sediments (after one scheduled for SDG 206071515 was inadvertently omitted); however, frequency for all sediments (on-site, ICWW, ponds) is still > 1 to 20. No MS/MSD collected with this set; however, frequency for on-site sediments is > 1 to 20.				
10. Issues noted for all parameters except Pest/PCB. All are based on laboratory limits, which do not affect flagging for this site, except:				
VOC – no MS/MSDs except extant; LCS/LCSDs reported; Bromomethane CCV for batch 329645 (FB and TB batch) has 173% drift.				
11. 2-CEV reported from med level (50x) analysis for all VOC soils plus n-Butyl alcohol for one sample (03); not noted in narrative (due to calibration problems for this analyte in low level analysis)				
20. QC Batch in EDD given as 329649 for FB-507; should be 329648 per hardcopy and prep analysis date/ time.				
32. All analytes routinely spiked by lab are included as per QAPP. This is every TA except n-Butyl alcohol, Toxaphene, and the 5 middle Aroclors.				
34. An MS/MSD was not collected in the field, only MS is for Chromium VI				
<p>ADDITIONAL NOTE - VOCs were analyzed both as low level soils (unheated purge of 5g soil in 5 mls water) and as high level soils (heated purge of 100 ul of methanol extract from 5g soil in 5 mls water). All but two of the target analytes (2-Chloroethyl vinyl ether for all samples and 2- Butyl alcohol for one sample) are reported from the low level analysis. The high level analysis was run because the laboratory was unable to adequately calibrate the heated purge instruments for these two analytes, not because of high levels of target analytes. The raw data indicates that a few analytes may have been detected in the high level (methanol extract) analysis that are reported as non-detects in the low level analysis. The validator tabulated these amounts for all the VOC samples. The affected analytes are primarily 2- Butanone, Acetone and Methyl acetate, which appear in several of the high level analyses and are likely laboratory artifacts, along with one case each of Methylene chloride and Naphthalene. In every case, the amount is considered insignificant since the low level analysis (which is the applicable and requested method except in cases of high concentrations of target analytes) shows not detected and the amounts are well below the Preliminary Screening Values. Thus, the validator did not take any additional action.</p>				

SET SUMMARY
Laboratory Job No.: 206080303

8	Number of Field Samples including Field Duplicates (0)
0	Number of Field MS/MSD Pairs
0	Number of Equipment Rinsate Blanks
1	Number of Field Blanks
2	Number of VOC Trip Blanks
7	Number of Parameters (VOC, SVOC, Pesticides, Aroclors, Metals, TOC, Cr-VI)
200	Number of Target Analytes per Sample
1600	Total Measurements for Field Samples
1428	Number of measurements with no validation qualifier (i.e., "none" in EDD)
103	Number of measurements with UJ flag (for various analytes due to low laboratory and/or matrix spike recovery; low internal standard area; poor calibration fit and/or negative drift)
2	Number of measurements with UJ flag and an elevated SDL (for Acrolein and 2-Butyl alcohol due to poor instrument response, i.e., low RRF)
0	Number of measurements with J- flag
3	Number of measurements with J flag (due solely to result being between the SDL and SQL)
5	Number of measurements with J flag (due to result being between the SDL and SQL plus poor duplicate precision or calibration drift)
0	Number of measurements with J+ flag
44	Number of measurements with U flag (due to blank contamination; analytes affected include Acetone, Arsenic, Biphenyl, Bis(2-Ethylhexyl)phthalate, Mercury, Methylene chloride, Tetrachloroethene)
0	Number of measurements with NS flag
15	Number of measurements with R flag (for eight 2-Chloroethylvinyl ether non-detects and seven Benzidine non-detects because of extremely low LCS/LCSD recoveries (0%))
100%	Completeness-to-date on a sample level (percentage of sediment samples, including all ICWW and on-site sediments, with usable data, project goal 90%)
98%	Completeness-to-date on an analyte level (percentage of sediment samples, including all ICWW and on-site sediments, with usable data for a specific analyte, project goal 80%) – Antimony
85%	Completeness-to-date on an analyte level (percentage of sediment samples, including all ICWW and on-site sediments, with usable data for a specific analyte, project goal 80%) – 2-Chloroethylvinyl ether
82%	Completeness-to-date on an analyte level (percentage of sediment samples, including all ICWW and on-site sediments, with usable data for a specific analyte, project goal 80%) – Benzidine
100%	Completeness-to-date on an analyte level (percentage of sediment samples, including all ICWW and on-site sediments, with usable data for a specific analyte, project goal 80%) – All other target analytes

Usability: All data suitable as qualified for the intended use except for the eight results for 2-Chloroethylvinyl ether and seven results for Benzidine (all non-detects). Data for Acrolein and 2-Butyl alcohol are usable with an elevated reporting limit for the non-detects (as given in the Electronic Data Deliverable). Measurements qualified with a U-flag should be considered not present at the concentration reported.

QUALIFIED DATA TABLE

Field Sample Identification	Analyte	Data Qualifier	Reason for Qualification
NA3SE03-020 (1-2)	Arsenic	J	result is between SDL and SQL
NA3SE03-020 (1-2)	Chromium VI	UJ	low MS recovery (30%)
NA3SE03-020 (1-2)	Mercury	U	laboratory blank contamination (0.0073 B mg/kg)
NA3SE03-020 (1-2)	Endosulfan I	UJ	low LCS/LCSD ave recovery (56.5%)
NA3SE03-020 (1-2)	1,1,2,2-Tetrachloroethane	UJ	low internal standard area (-52% of daily standard area)
NA3SE03-020 (1-2)	1,2,3-Trichloropropane	UJ	low internal standard area (-52% of daily standard area)
NA3SE03-020 (1-2)	1,2,4-Trichlorobenzene	UJ	low internal standard area (-52% of daily standard area)
NA3SE03-020 (1-2)	1,2,4-Trimethylbenzene	UJ	low internal standard area (-52% of daily standard area)
NA3SE03-020 (1-2)	1,2-Dibromo-3-chloropropane	UJ	low internal standard area (-52% of daily standard area)
NA3SE03-020 (1-2)	1,2-Dichlorobenzene	UJ	low internal standard area (-52% of daily standard area)
NA3SE03-020 (1-2)	1,3,5-Trimethylbenzene	UJ	low internal standard area (-52% of daily standard area)
NA3SE03-020 (1-2)	1,3-Dichlorobenzene	UJ	low internal standard area (-52% of daily standard area)
NA3SE03-020 (1-2)	1,4-Dichlorobenzene	UJ	low internal standard area (-52% of daily standard area)
NA3SE03-020 (1-2)	2-Chloroethylvinyl ether	R	extremely low LCS/LCSD ave recovery (0%)
NA3SE03-020 (1-2)	2-Chlorotoluene	UJ	low internal standard area (-52% of daily standard area)
NA3SE03-020 (1-2)	4-Chlorotoluene	UJ	low internal standard area (-52% of daily standard area)
NA3SE03-020 (1-2)	4-Isopropyltoluene	UJ	low internal standard area (-52% of daily standard area)
NA3SE03-020 (1-2)	Acetone	U	laboratory blank contamination (0.0016 J mg/kg); trip blank contamination (0.012 JB mg/L); field blank contamination (0.011 JB mg/L); result is between SDL and SQL
NA3SE03-020 (1-2)	Acrolein	UJ	low instrument response (low RRF); elevate SDL for NDs 11x (Sed)
NA3SE03-020 (1-2)	Bromobenzene	UJ	low internal standard area (-52% of daily standard area)
NA3SE03-020 (1-2)	Bromomethane	J	result is between SDL and SQL; calibration drift (%D= 27)
NA3SE03-020 (1-2)	Hexachlorobutadiene	UJ	low internal standard area (-52% of daily standard area)
NA3SE03-020 (1-2)	Methyl iodide	J	result is between SDL and SQL; calibration drift (%D= 26)
NA3SE03-020 (1-2)	Methylene chloride	U	laboratory blank contamination (0.00278 J mg/kg); trip blank contamination (0.00117 JB mg/L); result is between SDL and SQL
NA3SE03-020 (1-2)	Naphthalene	UJ	low internal standard area (-52% of daily standard area)
NA3SE03-020 (1-2)	n-Butyl alcohol	UJ	low instrument response (low RRF); elevate SDL for NDs 2x (SW) or 50x (Sed)
NA3SE03-020 (1-2)	n-Butylbenzene	UJ	low internal standard area (-52% of daily standard area)
NA3SE03-020 (1-2)	n-Propylbenzene	UJ	low internal standard area (-52% of daily standard area)
NA3SE03-020 (1-2)	sec-Butylbenzene	UJ	low internal standard area (-52% of daily standard area)
NA3SE03-020 (1-2)	tert-Butylbenzene	UJ	low internal standard area (-52% of daily standard area)
NA3SE03-020 (1-2)	trans-1,4-Dichloro-2-butene	UJ	low internal standard area (-52% of daily standard area)
NA3SE03-020 (1-2)	Vinyl chloride	UJ	poor calibration fit (%RSD=18)
NA3SE03-020 (1-2)	2,4-Dinitrophenol	UJ	low LCS/LCSD ave recovery (50.5%)
NA3SE03-020 (1-2)	3-Nitroaniline	UJ	low LCS/LCSD ave recovery (43%)
NA3SE03-020 (1-2)	4-Chloroaniline	UJ	low LCS/LCSD ave recovery (25%)
NA3SE03-020 (1-2)	Aniline	UJ	calibration drift (%D= -26), low LCS/LCSD ave recovery (39%)
NA3SE03-020 (1-2)	Atrazine (Aatrex)	UJ	calibration drift (%D= -24)
NA3SE03-020 (1-2)	Benzaldehyde	UJ	calibration drift (%D= -27), low LCS/LCSD ave recovery (22.5%)
NA3SE03-020 (1-2)	Benzidine	UJ	poor calibration fit (%RSD=50), calibration drift (%D= -34), low LCS/LCSD ave recovery (19.5%)
NA3SE03-020 (1-2)	Biphenyl	U	laboratory blank contamination (0.171 J mg/kg), result is between SDL and SQL
NA3SE03-020 (1-2)	Bis(2-Ethylhexyl)phthalate	U	laboratory blank contamination (0.022 J mg/kg), result is between SDL and SQL
NA3SE03-020 (1-2)	Di-n-octyl phthalate	UJ	poor calibration fit (%RSD=17)
NA3SE03-020 (1-2)	Hexachlorocyclopentadiene	UJ	low LCS/LCSD ave recovery (51.5%)
NA3SE03-020 (1-2)	n-Nitrosodimethylamine	UJ	poor calibration fit (%RSD=28)
NA3SE03-020 (1-2)	n-Nitrosodi-n-propylamine	UJ	calibration drift (%D= -21)

QUALIFIED DATA TABLE

NA3SE03-020 (1-2)	Phenol	UJ	low LCS/LCSD ave recovery (58.5%)
NA3SE03-020 (1-2)	Pyridine	UJ	poor calibration fit (%RSD=24)
NA4SE04-021(1-2)	Chromium VI	J	low MS recovery (30%), poor lab duplicate precision (40 RPD)
NA4SE04-021(1-2)	Mercury	U	laboratory blank contamination (0.0073 B mg/kg)
NA4SE04-021(1-2)	Endosulfan I	UJ	low LCS/LCSD ave recovery (56.5%)
NA4SE04-021(1-2)	2-Chloroethylvinyl ether	R	extremely low LCS/LCSD ave recovery (0%)
NA4SE04-021(1-2)	Acrolein	UJ	calibration drift (%D= -24)
NA4SE04-021(1-2)	Methylene chloride	U	laboratory blank contamination (0.00348 J mg/kg); trip blank contamination (0.00117 JB mg/L); result is between SDL and SQL
NA4SE04-021(1-2)	n-Butyl alcohol	UJ	calibration drift (%D= -21)
NA4SE04-021(1-2)	Tetrachloroethene	U	laboratory blank contamination (0.0042 J mg/kg); result is between SDL and SQL
NA4SE04-021(1-2)	2,4-Dinitrophenol	UJ	low LCS/LCSD ave recovery (46%)
NA4SE04-021(1-2)	Benzaldehyde	UJ	calibration drift (%D= -46)
NA4SE04-021(1-2)	Benzidine	R	poor calibration fit (%RSD=50), calibration drift (%D= -59), extremely low LCS recovery (0%)
NA4SE04-021(1-2)	Benzoic acid	UJ	low LCS/LCSD ave recovery (59.5%)
NA4SE04-021(1-2)	Biphenyl	U	laboratory blank contamination (0.171 J mg/kg), result is between SDL and SQL
NA4SE04-021(1-2)	Bis(2-Ethylhexyl)phthalate	U	laboratory blank contamination (0.019 J mg/kg), result is between SDL and SQL
NA4SE04-021(1-2)	Di-n-octyl phthalate	UJ	poor calibration fit (%RSD=17)
NA4SE04-021(1-2)	n-Nitrosodimethylamine	UJ	poor calibration fit (%RSD=28), low LCS/LCSD ave recovery (35.5%)
NA4SE04-021(1-2)	Pyridine	UJ	poor calibration fit (%RSD=24), low LCS/LCSD ave recovery (53%)
NB2SE06-022(1-2)	Arsenic	U	laboratory blank contamination (0.29 B mg/kg); result is between SDL and SQL
NB2SE06-022(1-2)	Chromium VI	J	low MS recovery (30%), poor lab duplicate precision (40 RPD)
NB2SE06-022(1-2)	Mercury	U	laboratory blank contamination (0.0073 B mg/kg)
NB2SE06-022(1-2)	Endosulfan I	UJ	low LCS/LCSD ave recovery (56.5%)
NB2SE06-022(1-2)	2-Chloroethylvinyl ether	R	extremely low LCS/LCSD ave recovery (0%)
NB2SE06-022(1-2)	Acetone	U	trip blank contamination (0.012 JB mg/L); field blank contamination (0.011 JB mg/L); poor LCS/LCSD precision (44 RPD); result is between SDL and SQL
NB2SE06-022(1-2)	Acrolein	UJ	calibration drift (%D= -24)
NB2SE06-022(1-2)	Methylene chloride	U	laboratory blank contamination (0.00348 J mg/kg); trip blank contamination (0.00117 JB mg/L); result is between SDL and SQL
NB2SE06-022(1-2)	n-Butyl alcohol	UJ	calibration drift (%D= -21)
NB2SE06-022(1-2)	Tetrachloroethene	U	laboratory blank contamination (0.0042 J mg/kg); result is between SDL and SQL
NB2SE06-022(1-2)	2,4-Dinitrophenol	UJ	low LCS/LCSD ave recovery (46%)
NB2SE06-022(1-2)	Acenaphthene	J	result is between SDL and SQL
NB2SE06-022(1-2)	Benzaldehyde	UJ	calibration drift (%D= -46)
NB2SE06-022(1-2)	Benzidine	R	poor calibration fit (%RSD=50), calibration drift (%D= -59), extremely low LCS recovery (0%)
NB2SE06-022(1-2)	Benzoic acid	UJ	low LCS/LCSD ave recovery (59.5%)
NB2SE06-022(1-2)	Biphenyl	U	laboratory blank contamination (0.171 J mg/kg), result is between SDL and SQL
NB2SE06-022(1-2)	Bis(2-Ethylhexyl)phthalate	U	laboratory blank contamination (0.019 J mg/kg), result is between SDL and SQL
NB2SE06-022(1-2)	Di-n-octyl phthalate	UJ	poor calibration fit (%RSD=17)
NB2SE06-022(1-2)	n-Nitrosodimethylamine	UJ	poor calibration fit (%RSD=28), low LCS/LCSD ave recovery (35.5%)
NB2SE06-022(1-2)	Pyridine	UJ	poor calibration fit (%RSD=24), low LCS/LCSD ave recovery (53%)
NB3SE07-023(1-2)	Chromium VI	UJ	low MS recovery (30%)
NB3SE07-023(1-2)	Mercury	U	laboratory blank contamination (0.0073 B mg/kg)

QUALIFIED DATA TABLE

NB3SE07-023(1-2)	Endosulfan I	UJ	low LCS/LCSD ave recovery (56.5%)
NB3SE07-023(1-2)	2-Chloroethylvinyl ether	R	extremely low LCS/LCSD ave recovery (0%)
NB3SE07-023(1-2)	Acetone	U	trip blank contamination (0.012 JB mg/L); field blank contamination (0.011 JB mg/L); poor LCS/LCSD precision (44 RPD); result is between SDL and SQL
NB3SE07-023(1-2)	Acrolein	UJ	calibration drift (%D= -24)
NB3SE07-023(1-2)	Methylene chloride	U	laboratory blank contamination (0.00348 J mg/kg); trip blank contamination (0.00117 JB mg/L); result is between SDL and SQL
NB3SE07-023(1-2)	n-Butyl alcohol	UJ	calibration drift (%D= -21)
NB3SE07-023(1-2)	Tetrachloroethene	U	laboratory blank contamination (0.0042 J mg/kg); result is between SDL and SQL
NB3SE07-023(1-2)	2,4-Dinitrophenol	UJ	low LCS/LCSD ave recovery (46%)
NB3SE07-023(1-2)	Benzaldehyde	UJ	calibration drift (%D= -46)
NB3SE07-023(1-2)	Benzidine	R	poor calibration fit (%RSD=50), calibration drift (%D= -59), extremely low LCS recovery (0%)
NB3SE07-023(1-2)	Benzoic acid	UJ	low LCS/LCSD ave recovery (59.5%)
NB3SE07-023(1-2)	Biphenyl	U	laboratory blank contamination (0.171 J mg/kg), result is between SDL and SQL
NB3SE07-023(1-2)	Bis(2-Ethylhexyl)phthalate	U	laboratory blank contamination (0.019 J mg/kg), result is between SDL and SQL
NB3SE07-023(1-2)	Di-n-octyl phthalate	UJ	poor calibration fit (%RSD=17)
NB3SE07-023(1-2)	n-Nitrosodimethylamine	UJ	poor calibration fit (%RSD=28), low LCS/LCSD ave recovery (35.5%)
NB3SE07-023(1-2)	Pyridine	UJ	poor calibration fit (%RSD=24), low LCS/LCSD ave recovery (53%)
NB4SE08-024(1-2)	Chromium VI	J	low MS recovery (30%), poor lab duplicate precision (40 RPD)
NB4SE08-024(1-2)	Mercury	U	laboratory blank contamination (0.0073 B mg/kg)
NB4SE08-024(1-2)	Endosulfan I	UJ	low LCS/LCSD ave recovery (56.5%)
NB4SE08-024(1-2)	2-Chloroethylvinyl ether	R	extremely low LCS/LCSD ave recovery (0%)
NB4SE08-024(1-2)	Acrolein	UJ	calibration drift (%D= -24)
NB4SE08-024(1-2)	Methylene chloride	U	laboratory blank contamination (0.00348 J mg/kg); trip blank contamination (0.00117 JB mg/L); result is between SDL and SQL
NB4SE08-024(1-2)	n-Butyl alcohol	UJ	calibration drift (%D= -21)
NB4SE08-024(1-2)	Tetrachloroethene	U	laboratory blank contamination (0.0042 J mg/kg); result is between SDL and SQL
NB4SE08-024(1-2)	2,4-Dinitrophenol	UJ	low LCS/LCSD ave recovery (46%)
NB4SE08-024(1-2)	Benzaldehyde	UJ	calibration drift (%D= -46)
NB4SE08-024(1-2)	Benzidine	R	poor calibration fit (%RSD=50), calibration drift (%D= -59), extremely low LCS recovery (0%)
NB4SE08-024(1-2)	Benzoic acid	UJ	low LCS/LCSD ave recovery (59.5%)
NB4SE08-024(1-2)	Biphenyl	U	laboratory blank contamination (0.171 J mg/kg), result is between SDL and SQL
NB4SE08-024(1-2)	Bis(2-Ethylhexyl)phthalate	U	laboratory blank contamination (0.019 J mg/kg), result is between SDL and SQL
NB4SE08-024(1-2)	Di-n-octyl phthalate	UJ	poor calibration fit (%RSD=17)
NB4SE08-024(1-2)	n-Nitrosodimethylamine	UJ	poor calibration fit (%RSD=28), low LCS/LCSD ave recovery (35.5%)
NB4SE08-024(1-2)	Pyridine	UJ	poor calibration fit (%RSD=24), low LCS/LCSD ave recovery (53%)
NC1SE09-025(1-2)	Arsenic	J	result is between SDL and SQL
NC1SE09-025(1-2)	Chromium VI	UJ	low MS recovery (30%)
NC1SE09-025(1-2)	Mercury	U	laboratory blank contamination (0.0073 B mg/kg); result is between SDL and SQL
NC1SE09-025(1-2)	Endosulfan I	UJ	low LCS/LCSD ave recovery (56.5%)
NC1SE09-025(1-2)	2-Chloroethylvinyl ether	R	extremely low LCS/LCSD ave recovery (0%)
NC1SE09-025(1-2)	Acrolein	UJ	calibration drift (%D= -24)
NC1SE09-025(1-2)	Methylene chloride	U	laboratory blank contamination (0.00348 J mg/kg); trip blank contamination (0.00117 JB mg/L); result is between SDL and SQL

QUALIFIED DATA TABLE

NC1SE09-025(1-2)	n-Butyl alcohol	UJ	calibration drift (%D= -21)
NC1SE09-025(1-2)	Tetrachloroethene	U	laboratory blank contamination (0.0042 J mg/kg); result is between SDL and SQL
NC1SE09-025(1-2)	2,4-Dinitrophenol	UJ	low LCS/LCSD ave recovery (46%)
NC1SE09-025(1-2)	Benzaldehyde	UJ	calibration drift (%D= -46)
NC1SE09-025(1-2)	Benzidine	R	poor calibration fit (%RSD=50), calibration drift (%D= -59), extremely low LCS recovery (0%)
NC1SE09-025(1-2)	Benzoic acid	UJ	low LCS/LCSD ave recovery (59.5%)
NC1SE09-025(1-2)	Biphenyl	U	laboratory blank contamination (0.171 J mg/kg), result is between SDL and SQL
NC1SE09-025(1-2)	Bis(2-Ethylhexyl)phthalate	U	laboratory blank contamination (0.019 J mg/kg), result is between SDL and SQL
NC1SE09-025(1-2)	Di-n-octyl phthalate	UJ	poor calibration fit (%RSD=17)
NC1SE09-025(1-2)	n-Nitrosodimethylamine	UJ	poor calibration fit (%RSD=28), low LCS/LCSD ave recovery (35.5%)
NC1SE09-025(1-2)	Pyridine	UJ	poor calibration fit (%RSD=24), low LCS/LCSD ave recovery (53%)
NC3SE10-026 (1-2)	Chromium VI	UJ	low MS recovery (30%)
NC3SE10-026 (1-2)	Mercury	U	laboratory blank contamination (0.0073 B mg/kg); result is between SDL and SQL
NC3SE10-026 (1-2)	Endosulfan I	UJ	low LCS/LCSD ave recovery (56.5%)
NC3SE10-026 (1-2)	2-Chloroethylvinyl ether	R	extremely low LCS/LCSD ave recovery (0%)
NC3SE10-026 (1-2)	Acetone	U	trip blank contamination (0.012 JB mg/L); field blank contamination (0.011 JB mg/L); poor LCS/LCSD precision (44 RPD); result is between SDL and SQL
NC3SE10-026 (1-2)	Acrolein	UJ	calibration drift (%D= -24)
NC3SE10-026 (1-2)	Methylene chloride	U	laboratory blank contamination (0.00348 J mg/kg); trip blank contamination (0.00117 JB mg/L); result is between SDL and SQL
NC3SE10-026 (1-2)	n-Butyl alcohol	UJ	calibration drift (%D= -21)
NC3SE10-026 (1-2)	Tetrachloroethene	U	laboratory blank contamination (0.0042 J mg/kg); result is between SDL and SQL
NC3SE10-026 (1-2)	2,4-Dinitrophenol	UJ	low LCS/LCSD ave recovery (46%)
NC3SE10-026 (1-2)	Benzaldehyde	UJ	calibration drift (%D= -46)
NC3SE10-026 (1-2)	Benzidine	R	poor calibration fit (%RSD=50), calibration drift (%D= -59), extremely low LCS recovery (0%)
NC3SE10-026 (1-2)	Benzoic acid	UJ	low LCS/LCSD ave recovery (59.5%)
NC3SE10-026 (1-2)	Biphenyl	U	laboratory blank contamination (0.171 J mg/kg), result is between SDL and SQL
NC3SE10-026 (1-2)	Bis(2-Ethylhexyl)phthalate	U	laboratory blank contamination (0.019 J mg/kg), result is between SDL and SQL
NC3SE10-026 (1-2)	Di-n-octyl phthalate	UJ	poor calibration fit (%RSD=17)
NC3SE10-026 (1-2)	n-Nitrosodimethylamine	UJ	poor calibration fit (%RSD=28), low LCS/LCSD ave recovery (35.5%)
NC3SE10-026 (1-2)	Pyridine	UJ	poor calibration fit (%RSD=24), low LCS/LCSD ave recovery (53%)
NC3SE11-027(1-2)	Chromium VI	UJ	low MS recovery (30%)
NC3SE11-027(1-2)	Mercury	U	laboratory blank contamination (0.0073 B mg/kg); result is between SDL and SQL
NC3SE11-027(1-2)	Endosulfan I	UJ	low LCS/LCSD ave recovery (56.5%)
NC3SE11-027(1-2)	2-Chloroethylvinyl ether	R	extremely low LCS/LCSD ave recovery (0%)
NC3SE11-027(1-2)	Acrolein	UJ	calibration drift (%D= -24)
NC3SE11-027(1-2)	Methylene chloride	U	laboratory blank contamination (0.00348 J mg/kg); trip blank contamination (0.00117 JB mg/L); result is between SDL and SQL
NC3SE11-027(1-2)	n-Butyl alcohol	UJ	calibration drift (%D= -21)
NC3SE11-027(1-2)	Tetrachloroethene	U	laboratory blank contamination (0.0042 J mg/kg); result is between SDL and SQL
NC3SE11-027(1-2)	2,4-Dinitrophenol	UJ	low LCS/LCSD ave recovery (46%)
NC3SE11-027(1-2)	Benzaldehyde	UJ	calibration drift (%D= -46)

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NC3SE11-027(1-2)	Benzidine	R	poor calibration fit (%RSD=50), calibration drift (%D= -59), extremely low LCS recovery (0%)
NC3SE11-027(1-2)	Benzoic acid	UJ	low LCS/LCSD ave recovery (59.5%)
NC3SE11-027(1-2)	Biphenyl	U	laboratory blank contamination (0.171 J mg/kg), result is between SDL and SQL
NC3SE11-027(1-2)	Bis(2-Ethylhexyl)phthalate	U	laboratory blank contamination (0.019 J mg/kg), result is between SDL and SQL
NC3SE11-027(1-2)	Di-n-octyl phthalate	UJ	poor calibration fit (%RSD=17)
NC3SE11-027(1-2)	n-Nitrosodimethylamine	UJ	poor calibration fit (%RSD=28), low LCS/LCSD ave recovery (35.5%)
NC3SE11-027(1-2)	Pyridine	UJ	poor calibration fit (%RSD=24), low LCS/LCSD ave recovery (53%)

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Sample_ID	Lab_Sample_ID	Test_type_code	Analytical_Method	Total_or_dissolved	Matrix	Parameter	Valid_qualifier	Result_type_code	Prep_date	Prep_time	Analysis_Date	Analysis_Time	QC_comment	QC_Batch
MB for HBN 329375 [DIGM/12353]	397088	LB	SW6010B	total	S	Aluminum	U to RRs <= 5 x BlankEquivConc (none)	TRG	8/3/06	15:10	8/4/06	15:55	laboratory blank contamination (5.13 B mg/kg)	329535
MB for HBN 329375 [DIGM/12353]	397088	LB	SW6010B	total	S	Arsenic	U to RRs <= 5 x BlankEquivConc	TRG	8/3/06	15:10	8/4/06	15:55	laboratory blank contamination (0.29 B mg/kg)	329535
MB for HBN 329375 [DIGM/12353]	397088	LB	SW6010B	total	S	Barium	U to RRs <= 5 x BlankEquivConc (none)	TRG	8/3/06	15:10	8/4/06	15:55	laboratory blank contamination (0.026 B mg/kg)	329535
FB-507	20608030310	FLDBK	SW6010B	total	W	Beryllium	U to RRs <= 5 x BlankEquivConc (none)	TRG	8/3/06	14:05	8/5/06	17:51	field blank contamination (0.00011 B mg/L)	329621
FB-507	20608030310	FLDBK	SW6010B	total	W	Boron	U to RRs <= 5 x BlankEquivConc (none)	TRG	8/3/06	14:05	8/5/06	17:51	field blank contamination (0.014 B mg/L)	329621
MB for HBN 329375 [DIGM/12353]	397088	LB	SW6010B	total	S	Cobalt	U to RRs <= 5 x BlankEquivConc (none)	TRG	8/3/06	15:10	8/4/06	15:55	laboratory blank contamination (0.031 B mg/kg)	329535
MB for HBN 329375 [DIGM/12353]	397088	LB	SW6010B	total	S	Manganese	U to RRs <= 5 x BlankEquivConc (none)	TRG	8/3/06	15:10	8/4/06	15:55	laboratory blank contamination (0.044 B mg/kg)	329535
FB-507	20608030310	FLDBK	SW6010B	total	W	Nickel	U to RRs <= 5 x BlankEquivConc (none)	TRG	8/3/06	14:05	8/5/06	17:51	field blank contamination (0.001 B mg/L)	329621
MB for HBN 329375 [DIGM/12353]	397088	LB	SW6010B	total	S	Tin	U to RRs <= 5 x BlankEquivConc (none)	TRG	8/3/06	15:10	8/4/06	15:55	laboratory blank contamination (0.5 B mg/kg)	329535
MB for HBN 329375 [DIGM/12353]	397088	LB	SW6010B	total	S	Vanadium	U to RRs <= 5 x BlankEquivConc (none)	TRG	8/3/06	15:10	8/4/06	15:55	laboratory blank contamination (0.091 B mg/kg)	329535
NB4SE08-024(1-2) (397143MS)	397272	MS	SW7196A		S	Chromium VI	J- / UJ to RRs/NDs	TRG	8/8/06	7:00	8/9/06	8:40	low MS recovery (30%)	329830
NA4SE04-021(1-2) (397144DUP)	397273	DUP	SW7196A		S	Chromium VI	J to RRs	TRG	8/8/06	7:00	8/9/06	8:41	poor lab duplicate precision (40 RPD)	329830
MB for HBN 329371 [DIGM/12349]	397073	LB	SW7471A	total	S	Mercury	U to RRs <= 5 x BlankEquivConc	TRG	8/3/06	16:15	8/4/06	11:51	laboratory blank contamination (0.0073 B mg/kg)	329561
LCSD for HBN 330455 [EXTO/1449]	400752	LCSD	SW8081A		S	Endosulfan I	J- / UJ to RRs/NDs	TRG	8/7/06	10:30	8/11/06	19:45	low LCS/LCSD ave recovery (56.5%)	330477
x	2060811sv18a015	CCV1	SW8082			AR 1016-Peak4	J+ to RRs (none)	Aro			8/11/06	21:18	calibration drift (%D= 20)	
x	B6593	CCV1	SW8260B			2-Butanone	J+ to RRs (none)	VOC			8/11/06	12:13	calibration drift (%D= 28)	
x	G7235	CCV1	SW8260B			2-Chloroethyl vinyl ether	J+ to RRs (none)	VOC			8/11/06	7:59	calibration drift (%D= 23)	
LCSD for HBN 329519 [MSV/8803]	397443	LCSD	SW8260B		S	2-Chloroethylvinyl ether	J- / R to RRs/NDs	TRG			8/3/06	10:50	extremely low LCS/LCSD ave recovery (0%)	329519
LCSD for HBN 330354 [MSV/8854]	400443	LCSD	SW8260B		S	2-Chloroethylvinyl ether	J- / R to RRs/NDs	TRG			8/11/06	13:20	extremely low LCS/LCSD ave recovery (0%)	330354

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MB for HBN 330354 [MSV/8854]	400439	LB	SW8260B		S	Acetone	U to RRs <= 10 x BlankEquivConc	TRG			8/11/06	14:02	laboratory blank contamination (0.0016 J mg/kg)	330354
FB-507	20608030310	FLDBK	SW8260B		W	Acetone	U to RRs <= 10 x BlankEquivConc	TRG			8/6/06	14:57	field blank contamination (0.011 JB mg/L)	329645
TB-1163	20608030306	TRIPBK	SW8260B		W	Acetone	U to RRs <= 10 x BlankEquivConc	TRG			8/6/06	14:31	trip blank contamination (0.012 JB mg/L)	329645
LCSD for HBN 329519 [MSV/8803]	397443	LCSD	SW8260B		S	Acetone	J to RRs	TRG			8/3/06	10:50	poor LCS/LCSD precision (44 RPD)	329519
x	B6555	ICAL1	SW8260B			Acrolein	J / UJ to RRs/NDs	VOC			8/10/06	17:59	low instrument response (low RRF); elevate SDL for NDs 11x (Sed)	
x	V4861	CCV1	SW8260B			Acrolein	J- / UJ to RRs/NDs	VOC			8/3/06	9:21	calibration drift (%D= -24)	
x	B6593	CCV1	SW8260B			Bromomethane	J+ to RRs	VOC			8/11/06	12:13	calibration drift (%D= 27)	
x	B6593	CCV1	SW8260B			Chloromethane	J+ to RRs (none)	VOC			8/11/06	12:13	calibration drift (%D= 24)	
x	B6593	CCV1	SW8260B			Methyl cyclohexane	J+ to RRs (none)	VOC			8/11/06	12:13	calibration drift (%D= 24)	
x	B6593	CCV1	SW8260B			Methyl iodide	J+ to RRs	VOC			8/11/06	12:13	calibration drift (%D= 26)	
MB for HBN 329519 [MSV/8803]	397441	LB	SW8260B		S	Methylene chloride	U to RRs <= 10 x BlankEquivConc	TRG			8/3/06	13:47	laboratory blank contamination (0.00348 J mg/kg)	329519
MB for HBN 330354 [MSV/8854]	400439	LB	SW8260B		S	Methylene chloride	U to RRs <= 10 x BlankEquivConc	TRG			8/11/06	14:02	laboratory blank contamination (0.00278 J mg/kg)	330354
TB-1163	20608030306	TRIPBK	SW8260B		W	Methylene chloride	U to RRs <= 10 x BlankEquivConc	TRG			8/6/06	14:31	trip blank contamination (0.00117 JB mg/L)	329645
x	G5023	ICAL2	SW8260B			n-Butyl alcohol	J / UJ to RRs/NDs	App9			6/14/06	7:30	low instrument response (low RRF); elevate SDL for NDs 2x (SW) or 50x (Sed)	
x	V4864	CCV2	SW8260B			n-Butyl alcohol	J- / UJ to RRs/NDs	App9			8/3/06	11:54	calibration drift (%D= -21)	
x	G7238	CCV2	SW8260B			n-Butyl alcohol	J+ to RRs (none)	App9			8/11/06	9:23	calibration drift (%D= 32)	
x	B6593	CCV1	SW8260B			n-Propylbenzene	J+ to RRs (none)	VOC			8/11/06	12:13	calibration drift (%D= 21)	
x	B6593	CCV1	SW8260B			Tetrachloroethene	J+ to RRs (none)	VOC			8/11/06	12:13	calibration drift (%D= 31)	
MB for HBN 329519 [MSV/8803]	397441	LB	SW8260B		S	Tetrachloroethene	U to RRs <= 5 x BlankEquivConc	TRG			8/3/06	13:47	laboratory blank contamination (0.0042 J mg/kg)	329519
x	B6593	CCV1	SW8260B			Trichloroethene	J+ to RRs (none)	VOC			8/11/06	12:13	calibration drift (%D= 21)	

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x	B6593	CCV1	SW8260B			Trichlorofluoromethane	J+ to RRs (none)	VOC			8/11/06	12:13	calibration drift (%D= 22)	
x	V4861	CCV1	SW8260B			Vinyl acetate	J+ to RRs (none)	VOC			8/3/06	9:21	calibration drift (%D= 21)	
x	B6555	ICAL1	SW8260B			Vinyl Chloride	J / UJ to RRs/NDs	VOC			8/10/06	17:59	poor calibration fit (%RSD=18)	
NA3SE03-020 (1-2)	20608030303	SMP	SW8260B		S	IS3 (1,4-Dichlorobenzene-d4)	J / UJ to RRs/NDs quantitated with IS3	IS			8/11/06	21:31	low internal standard area (-52% of daily standard area)	330354
LCSD for HBN 329381 [EXTO/1438]	397118	LCSD	SW8270C		S	2,4-Dinitrophenol	J- / UJ to RRs/NDs	TRG	8/3/06	12:30	8/5/06	14:42	low LCS/LCSD ave recovery (46%)	329649
LCSD for HBN 330323 [EXTO/1447]	400191	LCSD	SW8270C		S	2,4-Dinitrophenol	J- / UJ to RRs/NDs	TRG	8/5/06	15:30	8/6/06	17:05	low LCS/LCSD ave recovery (50.5%)	329692
FB-507	20608030310	FLDBK	SW8270C		W	2-Methylnaphthalene	U to RRs <= 5 x BlankEquivConc (none)	TRG	8/3/06	19:00	8/5/06	13:59	field blank contamination (0.000769 J mg/L)	329649 {329648 }
LCSD for HBN 330323 [EXTO/1447]	400191	LCSD	SW8270C		S	3-Nitroaniline	J- / UJ to RRs/NDs	TRG	8/5/06	15:30	8/6/06	17:05	low LCS/LCSD ave recovery (43%)	329692
LCSD for HBN 330323 [EXTO/1447]	400191	LCSD	SW8270C		S	4-Chloroaniline	J- / UJ to RRs/NDs	TRG	8/5/06	15:30	8/6/06	17:05	low LCS/LCSD ave recovery (25%)	329692
FB-507	20608030310	FLDBK	SW8270C		W	Acetophenone	U to RRs <= 5 x BlankEquivConc (none)	TRG	8/3/06	19:00	8/5/06	13:59	field blank contamination (0.00354 J mg/L)	329649 {329648 }
x	D1062	CCV1	SW8270C			Aniline	J- / UJ to RRs/NDs	SVOC			8/6/06	13:38	calibration drift (%D= -26)	
LCSD for HBN 330323 [EXTO/1447]	400191	LCSD	SW8270C		S	Aniline	J- / UJ to RRs/NDs	TRG	8/5/06	15:30	8/6/06	17:05	low LCS/LCSD ave recovery (39%)	329692
x	D1062	CCV1	SW8270C			Atrazine	J- / UJ to RRs/NDs	SVOC			8/6/06	13:38	calibration drift (%D= -24)	
x	D1012	CCV1	SW8270C			Benzaldehyde	J- / UJ to RRs/NDs	SVOC			8/5/06	11:15	calibration drift (%D= -46)	
x	D1062	CCV1	SW8270C			Benzaldehyde	J- / UJ to RRs/NDs	SVOC			8/6/06	13:38	calibration drift (%D= -27)	
FB-507	20608030310	FLDBK	SW8270C		W	Benzaldehyde	U to RRs <= 5 x BlankEquivConc (none)	TRG	8/3/06	19:00	8/5/06	13:59	field blank contamination (0.00354 J mg/L)	329649 {329648 }
LCSD for HBN 330323 [EXTO/1447]	400191	LCSD	SW8270C		S	Benzaldehyde	J- / UJ to RRs/NDs	TRG	8/5/06	15:30	8/6/06	17:05	low LCS/LCSD ave recovery (22.5%)	329692
LCSD for HBN 329381 [EXTO/1438]	397118	LCSD	SW8270C		S	Benzaldehyde	J to RRs (none)	TRG	8/3/06	12:30	8/5/06	14:42	poor LCS/LCSD precision (84 RPD)	329649
x	D0930	ICAL1	SW8270C			Benzidine	J / UJ to RRs/NDs	SVOC			8/3/06	11:36	poor calibration fit (%RSD=50)	
x	D1012	CCV1	SW8270C			Benzidine	J- / UJ to RRs/NDs	SVOC			8/5/06	11:15	calibration drift (%D= -59)	

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x	D1062	CCV1	SW8270C		Benzidine	J- / UJ to RRs/NDs	SVOC			8/6/06	13:38	calibration drift (%D= -34)	
LCS for HBN 329381 [EXTO/14382]	397117	LCS	SW8270C	S	Benzidine	J- / R to RRs/NDs	TRG	8/3/06	12:30	8/5/06	14:28	extremely low LCS recovery (0%)	329649
LCSD for HBN 330323 [EXTO/1447]	400191	LCSD	SW8270C	S	Benzidine	J- / UJ to RRs/NDs	TRG	8/5/06	15:30	8/6/06	17:05	low LCS/LCSD ave recovery (19.5%)	329692
LCSD for HBN 329381 [EXTO/1438]	397118	LCSD	SW8270C	S	Benzidine	J to RRs (none)	TRG	8/3/06	12:30	8/5/06	14:42	poor LCS/LCSD precision (200 RPD)	329649
x	D0930	ICAL1	SW8270C		Benzo(a)pyrene	J to RRs < adjusted SQL (none)	SVOC			8/3/06	11:36	lowest ICAL standard at 0.330 mg/kg; adjust SQL 5x (Sed)	
LCSD for HBN 329381 [EXTO/1438]	397118	LCSD	SW8270C	S	Benzoic acid	J- / UJ to RRs/NDs	TRG	8/3/06	12:30	8/5/06	14:42	low LCS/LCSD ave recovery (59.5%)	329649
FB-507	20608030310	FLDBK	SW8270C	W	Benzyl alcohol	U to RRs <= 5 x BlankEquivConc (none)	TRG	8/3/06	19:00	8/5/06	13:59	field blank contamination (0.000609 J mg/L)	329649 {329648 }
MB for HBN 329381 [EXTO/14382]	397116	LB	SW8270C	S	Biphenyl	U to RRs <= 5 x BlankEquivConc	TRG	8/3/06	12:30	8/5/06	14:13	laboratory blank contamination (0.171 J mg/kg)	329649
MB for HBN 330323 [EXTO/14477]	400189	LB	SW8270C	S	Biphenyl	U to RRs <= 5 x BlankEquivConc	TRG	8/5/06	15:30	8/6/06	16:36	laboratory blank contamination (0.171 J mg/kg)	329692
x	D0930	ICAL1	SW8270C		bis(2-Ethylhexyl)phthalate	J to RRs < adjusted SQL (none)	SVOC			8/3/06	11:36	lowest ICAL standard at 0.330 mg/kg; adjust SQL 5x (Sed)	
MB for HBN 329381 [EXTO/14382]	397116	LB	SW8270C	S	Bis(2-Ethylhexyl)phthalate	U to RRs <= 10 x BlankEquivConc	TRG	8/3/06	12:30	8/5/06	14:13	laboratory blank contamination (0.019 J mg/kg)	329649
MB for HBN 330323 [EXTO/14477]	400189	LB	SW8270C	S	Bis(2-Ethylhexyl)phthalate	U to RRs <= 10 x BlankEquivConc	TRG	8/5/06	15:30	8/6/06	16:36	laboratory blank contamination (0.022 J mg/kg)	329692
FB-507	20608030310	FLDBK	SW8270C	W	Butyl benzyl phthalate	U to RRs <= 10 x BlankEquivConc (none)	TRG	8/3/06	19:00	8/5/06	13:59	field blank contamination (0.012 mg/L)	329649 {329648 }
FB-507	20608030310	FLDBK	SW8270C	W	Diethyl phthalate	U to RRs <= 10 x BlankEquivConc (none)	TRG	8/3/06	19:00	8/5/06	13:59	field blank contamination (0.00112 J mg/L)	329649 {329648 }
FB-507	20608030310	FLDBK	SW8270C	W	Di-n-butyl phthalate	U to RRs <= 10 x BlankEquivConc (none)	TRG	8/3/06	19:00	8/5/06	13:59	field blank contamination (0.00091 J mg/L)	329649 {329648 }
x	D0930	ICAL1	SW8270C		Di-n-octylphthalate	J / UJ to RRs/NDs	SVOC			8/3/06	11:36	poor calibration fit (%RSD=17)	
LCSD for HBN 330323 [EXTO/1447]	400191	LCSD	SW8270C	S	Hexachlorocyclopentadiene	J- / UJ to RRs/NDs	TRG	8/5/06	15:30	8/6/06	17:05	low LCS/LCSD ave recovery (51.5%)	329692
x	D0930	ICAL1	SW8270C		n-Nitrosodimethylamine	J / UJ to RRs/NDs	SVOC			8/3/06	11:36	poor calibration fit (%RSD=28)	
x	D1062	CCV1	SW8270C		N-Nitrosodimethylamine	J+ to RRs (none)	SVOC			8/6/06	13:38	calibration drift (%D= 32)	
LCSD for HBN 329381 [EXTO/1438]	397118	LCSD	SW8270C	S	n-Nitrosodimethylamine	J- / UJ to RRs/NDs	TRG	8/3/06	12:30	8/5/06	14:42	low LCS/LCSD ave recovery (35.5%)	329649

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LCSD for HBN 329381 [EXTO/1438]	397118	LCSD	SW8270C		S	n-Nitrosodimethylamine	J to RRs (none)	TRG	8/3/06	12:30	8/5/06	14:42	poor LCS/LCSD precision (145 RPD)	329649
x	D1062	CCV1	SW8270C			N-Nitroso-di-n-propylamine	J- / UJ to RRs/NDs	SVOC			8/6/06	13:38	calibration drift (%D= -21)	
LCSD for HBN 330323 [EXTO/1447]	400191	LCSD	SW8270C		S	Phenol	J- / UJ to RRs/NDs	TRG	8/5/06	15:30	8/6/06	17:05	low LCS/LCSD ave recovery (58.5%)	329692
x	D0930	ICAL1	SW8270C			Pyridine	J / UJ to RRs/NDs	SVOC			8/3/06	11:36	poor calibration fit (%RSD=24)	
x	D1012	CCV1	SW8270C			Pyridine	J+ to RRs (none)	SVOC			8/5/06	11:15	calibration drift (%D= 41)	
LCSD for HBN 329381 [EXTO/1438]	397118	LCSD	SW8270C		S	Pyridine	J- / UJ to RRs/NDs	TRG	8/3/06	12:30	8/5/06	14:42	low LCS/LCSD ave recovery (53%)	329649
NA4SE04-021(1-2)	20608030302	SMP	SW8270C		S	Terphenyl-d14	none (only one of multiple surrogates is deficient)	SUR	8/3/06	12:30	8/5/06	16:37	low base/neutral SU recovery (56%)	329649
NA4SE04-021(1-2)	20608030302	SMP	SW8270C		S	Phenol-d5	none (only one of multiple surrogates is deficient)	SUR	8/3/06	12:30	8/5/06	16:37	low acid SU recovery (59%)	329649
NA3SE03-020 (1-2)	20608030303	SMP	SW8270C		S	Phenol-d5	none (only one of multiple surrogates is deficient)	SUR	8/5/06	15:30	8/6/06	17:19	low acid SU recovery (58%)	329692
NC3SE11-027(1-2)	20608030307	SMP	SW8270C		S	Phenol-d5	none (only one of multiple surrogates is deficient)	SUR	8/3/06	12:30	8/5/06	17:19	low acid SU recovery (58%)	329649
NC3SE10-026 (1-2)	20608030308	SMP	SW8270C		S	Terphenyl-d14	none (only one of multiple surrogates is deficient)	SUR	8/3/06	12:30	8/5/06	17:34	low base/neutral SU recovery (58%)	329649
NC3SE10-026 (1-2)	20608030308	SMP	SW8270C		S	Phenol-d5	none (only one of multiple surrogates is deficient)	SUR	8/3/06	12:30	8/5/06	17:34	low acid SU recovery (57%)	329649